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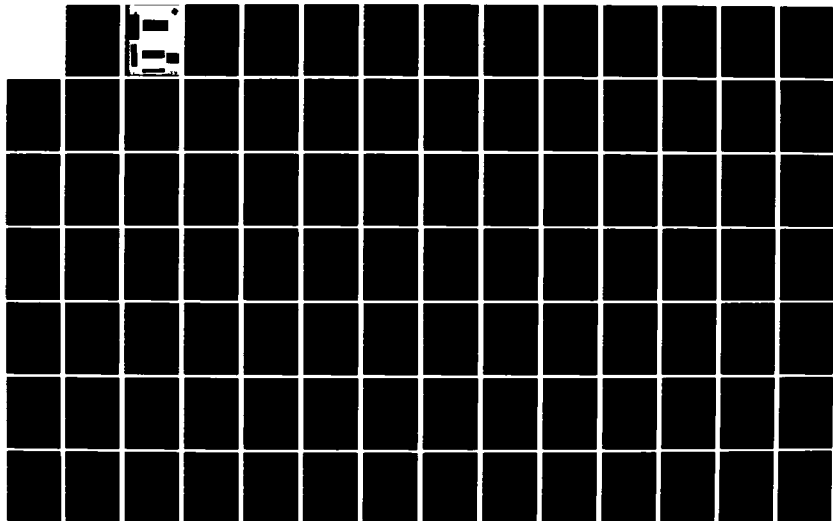
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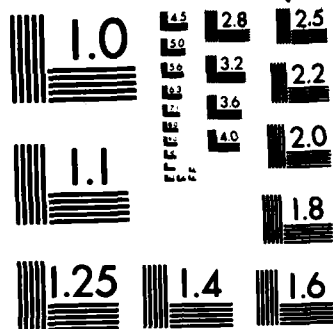
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Enhancement and Verification of the
Navy CASEE Model
(Calendar Year 1982 Task)

Final Technical Report
15 December 1982

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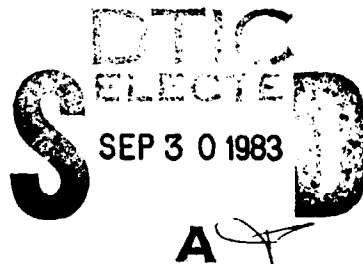
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Prepared Under Contract Number
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for
Naval Surface Weapons Center (E06)



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Block 20 Abstract:

Specific enhancements were selected and implemented based on their projected utility in known and anticipated CASEE applications. Each was defined by a problem statement and a corrective action description. Program listings incorporating the enhancements were subsequently generated. A new CASEE version, Version 5, was developed as an initial attempt to reflect (Subsystem Capability Impact Reporting) (SCIR) system reporting criteria. Optional logic was developed to allow CASEE to more accurately simulate Navy Non-Cyclic flight operations that are more typical of shore-based operations. To provide even more visibility into the Intermediate Maintenance Activity (IMA), which was enhanced in Version 3, changes were made to improve the ability of CASEE to simulate support equipment availability at the IMA.

ABSTRACT

In order to respond to evolving aircraft maintenance/material support process and planning procedures and reporting systems, the Navy CASEE (Comprehensive Aircraft Support Effectiveness and Evaluation) Model requires periodic updating and restructuring. The CASEE enhancements described in this report resulted from basic needs within the CASEE user community to have CASEE reflect the changing criteria that are instrumental in evaluating fleet operating and maintenance policies and options.

Specific enhancements were selected and implemented based on their projected utility in known and anticipated CASEE applications. Each was defined by a problem statement and a corrective action description. Program listings incorporating the enhancements were subsequently generated. A new CASEE version, Version 5, was developed as an initial attempt to reflect SCIR (Subsystem Capability Impact Reporting) system reporting criteria. Optional logic was developed to allow CASEE to more accurately simulate Navy Non-Cyclic flight operations that are more typical of shore-based operations. To provide even more visibility into the Intermediate Maintenance Activity (IMA), which was enhanced in Version 3, changes were made to improve the ability of CASEE to simulate support equipment availability at the IMA.

The verification process used to ensure the integrity of the enhancements are similar to those employed in previous updating efforts. The process consists of functional logic checks of all enhancements and numerical validation of the enhancements where possible. From these results it is concluded that the enhanced model performs all intended functions in a credible manner. Improved confidence can only come with use of the model or with a dedicated, tailored verification based on fleet experience. It is recommended that further efforts be extended to incorporate additional enhancement candidates.

In addition, it is recommended that a meeting of the Navy CASEE users group be scheduled in the near future to discuss the newly implemented CASEE enhancements. Such a meeting would be most helpful in informing all active users of the CASEE changes which were the result of this enhancement effort as well as discuss selected topics of particular interest to the user community.

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INTRODUCTION

In the efforts to evaluate and upgrade maintenance and material support of fleet air operations, that includes the Navy Logistics Research Program, computer simulation modeling has proved to be a very cost effective tool with which to evaluate complex situations. The Navy CASEE (Comprehensive Aircraft Support Effectiveness Evaluation) Model is a primary computer simulation model used in the analysis of Integrated Logistic Support (ILS) concepts in support of the fleet air operations. Periodic updates to this model are required to enable it to conform to the evolutionary changes in fleet maintenance reporting procedures and related evaluation requirements. Coupled with changing fleet requirements are advances in computer hardware and software technologies. Such technological advances allow for increased simulation capabilities without restrictive increased costs in model development during simulation run time and execution.

The CASEE Model is now represented by Version 3 and Version 4. Version 3 includes a speed up option which significantly decreases model execution time and is a general model used primarily in simulating carrier-based air operations. Version 4 incorporates features unique to V/STOL (Vertical/Short Take-Off and Landing) aircraft operations. These V/STOL features allow for parent ship/host ship operations; host ship operations with shore based supply support, and host ship operations with no form of supply or maintenance support from any off ship source. The GPSS (General Purpose Simulation System) language is used for all versions of CASEE.

Recent Sea Based Air (SBA) ILS activity resulted in the identification of several additional update candidates for these current versions of CASEE. It was determined that an enhancement and verification effort should be pursued. Three major enhancement areas were to be addressed, namely, the implementation of the Subsystem Capability Impact Reporting (SCIR) readiness reporting criteria per OPNAVINST 4790.2 and 5442.4 series, the incorporation of a non-cyclic launch scheduling routine and the modeling of IMA support equipment availability. The end item would be a new, fully operable, enhanced and verified modification of the previously used version of CASEE. Past procedures for program development, implementation and testing were to be followed to provide assurance of successful end item delivery.

Norden Systems was instrumental in providing computer program development and implementation of the described enhancements. In conformance with a long-standing policy of encouraging periodic enhancement of CASEE, the Naval Air Systems Command (NAVAIR) provided the support required for the final selection and implementation of the enhancement candidates identified under this task. The direct technical participation of both the SBA Logistics Manager (AIR-4105B) and the CASEE Manager (AIR-5143) facilitated the successful accomplishment of the overall enhancement and verification endeavor. Figure 1 shows the overall organizational relationships pertinent to this task.

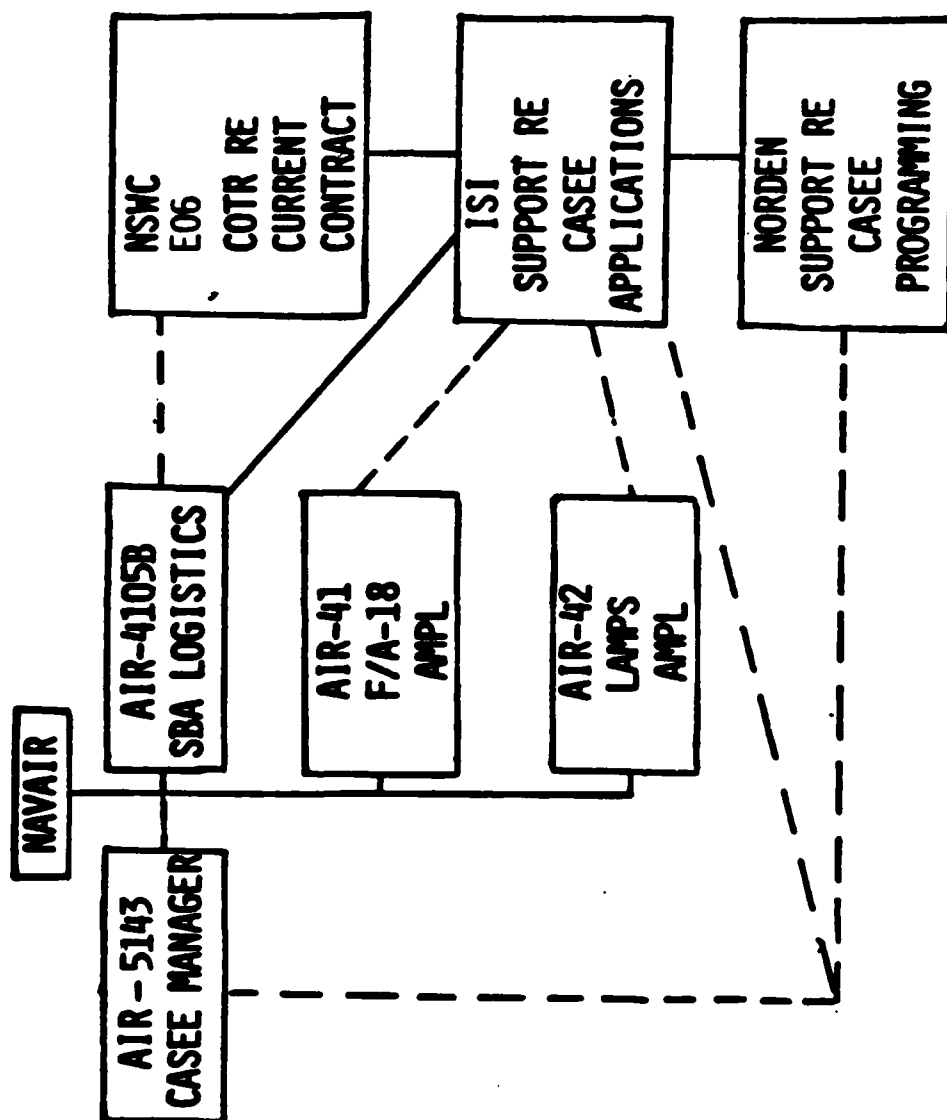


FIGURE 1. CASEE ORGANIZATIONAL RELATIONSHIPS

ENHANCEMENT

General

The enhancements implemented under this task are intended to satisfy three basic needs of the CASEE user community: the need to output CASEE simulation results in a SCIR reporting format, the need to have CASEE more accurately simulate non-cyclic or shore-based launch scheduling flight operations, and the need for more visibility into the impact of support equipment interactions with the overall IMA environment. Because these enhancements, especially the SCIR enhancement, reflect some major changes to the model, a new version of CASEE, Version 5, has been issued.

These enhancements are defined in detail in the following paragraphs. A description of each problem area is provided with particular emphasis placed on the SCIR enhancement. To appreciate the implementation of SCIR readiness reporting criteria in CASEE, the impact of this newly implemented system on weapon system, subsystem and equipment readiness reporting must first be understood. Therefore, a description of the SCIR system and its associated reporting policies and procedures are discussed. The other enhancements are also briefly described. In order to completely identify each enhancement, a set of fully annotated listings of the final form of the CASEE version are included as Appendix A to this report.

Differences Between ASD and SCIR Readiness Reporting Systems

Prior to this effort, all versions of CASEE were modelled to measure and track weapon system readiness status using the Aviation Statistical Data (ASD) reporting system. The Navy SCIR reporting system was implemented on 1 July 1979 for Department of the Navy aircraft, ground support equipment and training devices. The implementing instruction replaced all ASD reporting. This new readiness reporting system was implemented to provide a better and more complete method of determining subsystem availability and relating its performance to aircraft mission capability. To implement this readiness reporting system, newly developed maintenance policies, procedures and responsibilities were established and delineated by the Navy. The objective of this enhancement of CASEE was intended to modify the appropriate model logic to take into consideration the readiness implications brought about by this new reporting system. This enhancement was to provide the CASEE user's community with the means to generate simulation results using the same reporting procedures and mission performance definitions which are consistent with those currently generated by all aircraft reporting custodians.

Under the ASD system there were anomalies inherent in the reporting system which greatly reduced visibility into the impact of maintenance actions upon weapon system readiness. The basic problem in the ASD system is in the occurrences of multiple aircraft downing discrepancies. Under the ASD reporting rules, only one of the discrepancies could be reported as putting the aircraft into a Not Operationally Ready (NOR) or Reduced Material Condition (RMC) status. Under these procedures, only the "worst" discrepancy of those available would be documented. It was at the discretion of the maintenance chief to determine which discrepancy of those available was the most significant in terms of degrading aircraft status.

Because the system limited the reporting of only one discrepancy as the cause of aircraft degradation, information on those equipment which are not documented as downing discrepancies were lost and not properly reflected in the data. This problem was commonly known as the "shadowing" effect.

Unlike the ASD system, all condition status information is documented directly on the VIDS/MAF. Information concerning the supply and maintenance conditions along with the Equipment Operational Capability (EOC) code which reflects the capability of the aircraft because of the degraded system is documented against each equipment. Since every discrepancy is documented, "shadowing" is eliminated by the SCIR system.

The most obvious change from the ASD system to the SCIR system is in the reporting terminology. The ASD system is updated in Operational Readiness (OR) related terminology. The SCIR system is reported in Mission Capability (MC) related terminology. The two sets of terminology are generally comparable as is shown in Table 1.

TABLE 1

ASD & SCIR READINESS REPORTING
TERMINOLOGY COMPARISON

<u>ASD System Terminology</u>	<u>SCIR System Terminology</u>
Full System Capable (FSC)	Optimum Performance Capability (OPC)
Full System Capable (FSC)	Full Mission Capable (FMC)
Reduced Material Condition (RMC)	Partial Mission Capable (PMC)
Reduced Material Condition-Maintenance (RMCN)	Partial Mission Capable-Maintenance (PMCM)
Not Fully Equipped (NFE)	Partial Mission capable - Supply (PMCS)
Operationally Ready (OR)	Mission Capable (MC)
Not Operationally Ready (NOR)	Not Mission Capable (NMC)
Not Operationally Ready - Unscheduled Maintenance (NORMU)	Not Mission Capable-Unscheduled Maintenance (NMCMU)
Not Operationally Ready-Scheduled Maintenance (NORMS)	Not Mission Capable-Scheduled Maintenance (NMCMS)
Not Operationally Ready-Supply (NORS)	Not Mission Capable-Supply (NMCS)

Under the ASD system, an RMC status was a condition status in which the aircraft was capable of flying more than one but not all of its intended missions. However, no provisions were available to define which missions could or could not be flown under this status. For this reason, the SCIR system was designed to correct this problem by ensuring that any discrepancies that degrade Weapon Replaceable Assembly (WRA) and subsystem performance can be related to specific mission capability. This is accomplished by means of a Mission Essential Subsystem Matrix (MESM) which is utilized as a cross reference to relate subsystems to specific mission requirements. All mission essential subsystems are assigned an Equipment Operational Capability (EOC) code. This code is then used to identify which missions can or can not be flown if this subsystem is not operational. For example, Category B EOC codes designate those subsystems that impact on the optimal performance status of the aircraft while category Z EOC codes designates those equipments that impact on the safety of flight requirements. EOC codes between A and Z are used for other missions of varying degrees. When a given subsystem generates a downing discrepancy, it can then be readily determined what missions are affected. This type of reporting provides much more consistency and visibility in defining and assessing mission capabilities and availability than was previously provided under the ASD system. SCIR provides exact information as to the availability of the aircraft for each mission type and the needed visibility in defining which subsystem was responsible for any degradation.

In providing more insight into mission capability and subsystem degradation than ASD, the SCIR system allows for different and more detailed output reports to be generated. The SCIR system and therefore the SCIR enhancement resulted in a significant increase in the number of output data elements which are produced. Readiness related data are traced and summarized at the weapon system level, subsystem level and component level. In addition, system impact, discrepancy detail and unavailable hours are provided for each readiness level and assigned as either maintenance or supply responsibility.

CASEE SCIR Logic Description

In generating new output reports and categories to comply with the SCIR system, most of the computer coding changes required to convert Version 3 to Version 5 involved the accumulation of mission capability statistics and the placement of these statistics in the proper matrix rows and columns. The configuration changes to the computer code in this effort were extensive. One subprogram was virtually rewritten and several subprograms were added. Additional computer code changes were incorporated in the model to determine aircraft status. This was due to differences in methodologies in determining aircraft status in the ASD system and the SCIR system. In the ASD system, probabilities were used to generate aircraft OR, NOR, and RMC discrepancies. In the SCIR enhancement, probabilities of generating downing discrepancies against appropriate EOCs were defined. While the methodologies for determining aircraft status are similar, they are not identical and the differences are reflected in the coding changes and in the necessary probability measures required to implement the methodologies.

The probability categories that are required to implement the SCIR system in CASEE are provided in Table 2. Readiness-related probabilities, employed in Version 3, are also provided in this table for comparison. As may be seen by analyzing the table, the probability changes from the ASD system to the SCIR system primarily entails eliminating the probabilities related to NOR and RMC status and incorporating probabilities relating discrepancies to EOC codes for each of the aircraft components defined in the matrix.

In revising the discrepancy classification methodology to implement the SCIR reporting system in Version 5, the EOC code probabilities had to be used in the following manner. Each discrepancy is checked to see if it should have a subsystem EOC code assigned, an A00 code or no EOC at all. The subsystem EOC code relates the WRA to a subsystem. If a discrepancy is assigned the subsystem EOC code, it precludes the aircraft from flying any mission types requiring that subsystem. If the subsystem takes on the A00 EOC code, the discrepancy will not preclude any mission from being flown until the actual repair process has begun on the aircraft. Once a repair action begins (In-Work) on the WRA, the WRA will be reassigned the subsystem EOC code or an alternate In-Work EOC code. This alternate EOC code may also be assigned to a discrepancy that was originally classified with a subsystem EOC code once the aircraft is In-Work. The alternate EOC code reflects a further degradation in aircraft mission capability than is reflected in the subsystem EOC code. The alternate EOC code is assigned to the WRA when the repair action required to correct the original discrepancy impacts another, more mission critical aircraft subsystem in a disabling manner.

TABLE 2

ASD SYSTEM AND SCIR SYSTEM INPUT DATA COMPARISON

ASD System Inputs

1. Column # 10. - Ground Abort Probability (X1000)
2. Column # 33. - Probability (X1000) of causing NOR - Ground Crew Inspection
3. Column # 34. - Probability (X1000) of causing NOR - Air Crew Inspection
4. Column # 35. - Probability (X1000) of causing NOR - Daily Inspection
5. Column # 36. - Probability (X1000) of causing NOR - Inflight
6. Column # 37. - Probability (X1000) of causing RMC - Ground Crew Inspection
7. Column # 38. - Probability (X1000) of causing RMC - Air Crew Inspection
8. Column # 39. - Probability (X1000) of causing RMC - Daily Inspection
9. Column # 40. - Probability (X1000) of causing RMC - Inflight

SCIR System Inputs

1. Columns #33 - Subsystem (MESM) EOC code.
2. Columns #34 & 38 - Probability (X1000) of discrepancy having Subsystem EOC code when received for Remove and Replace and Repair-In-Place action respectively.
3. Columns #35 & 39 - Probability (X1000) of discrepancy having A00 EOC code when received for Remove and Replace and Repair-In-Place action respectively.
4. Columns #36 & 40 - Probability (X1000) of discrepancy having Alternate EOC code in-work for Remove and Replace and Repair-In-Place action respectively.
5. Columns #37 & 41 - Alternate In Work EOC code, if any for Remove and Relace and Repair-In-Place action respectively.

The actual logic flow in Version 5 used to determine the status of a discrepancy is shown in Figure 2. It should be noted that in Table 2, there are two entries for EOC inputs 2 through 5. These two sets of inputs are used to differentiate between a Remove and Replace (R/R) action and a Repair-In-Place (RIP) action. This differentiation will be numerically illustrated in the verification section. The logic flow for determining discrepancy EOC status is the same for both R/R and RIP actions. The following discussion will explain the logic flow diagram in terms of the numbers assigned to the logic blocks shown in Figure 2.

Block Number 1 - A newly generated discrepancy initiates processing. Using the input in column 33, a determination is made to see if the discrepancy has a subsystem EOC code. If the discrepancy does not have a subsystem EOC code, it joins other squadron discrepancies and the discrepancy is classified as a non-downing discrepancy. If the discrepancy has an EOC code, it goes to block #2 for further processing.

Block Number 2 - For discrepancies with a subsystem EOC code, a random draw is made to see if the discrepancy should be assigned the subsystem EOC code. This determination is made using the probability defined in column 34 or 38. If the discrepancy is assigned a subsystem EOC code it is sent to block #3 for processing. If the discrepancy does not have the EOC code assigned to it, it is processed at block #4.

Block Number 3 - Discrepancies with a subsystem EOC assigned to them have the appropriate subsystem EOC code statistics compiled. The discrepancy is then sent to block #6 for processing.

Block Number 4 - Discrepancies that have a related subsystem EOC code but are not assigned this EOC code when received initiate processing to see if they should be assigned an A00 EOC code. The probability of this happening is dependent on the probabilities defined in columns 35 or 39. The A00 code probability is added to the subsystem EOC code probability for processing at block #5.

Block Number 5 - Items having a probability of being assigned an A00 EOC code are now processed against the same probability measure that rejected the assignment of the subsystem EOC code to the discrepancy. If the discrepancy is not assigned an A00 code it is joined with other squadron discrepancies. If the discrepancy is assigned an A00 code, the appropriate A00 code statistics are compiled and the discrepancy is sent to block #6 for processing.

Block Number 6 - For the discrepancies assigned a subsystem EOC code or an A00 code there may exist a probability that an alternate EOC code will be assigned to these actions during In-Work status. The probability of an alternate EOC code In-Work is defined in column 37 or 41. If these columns have no input,

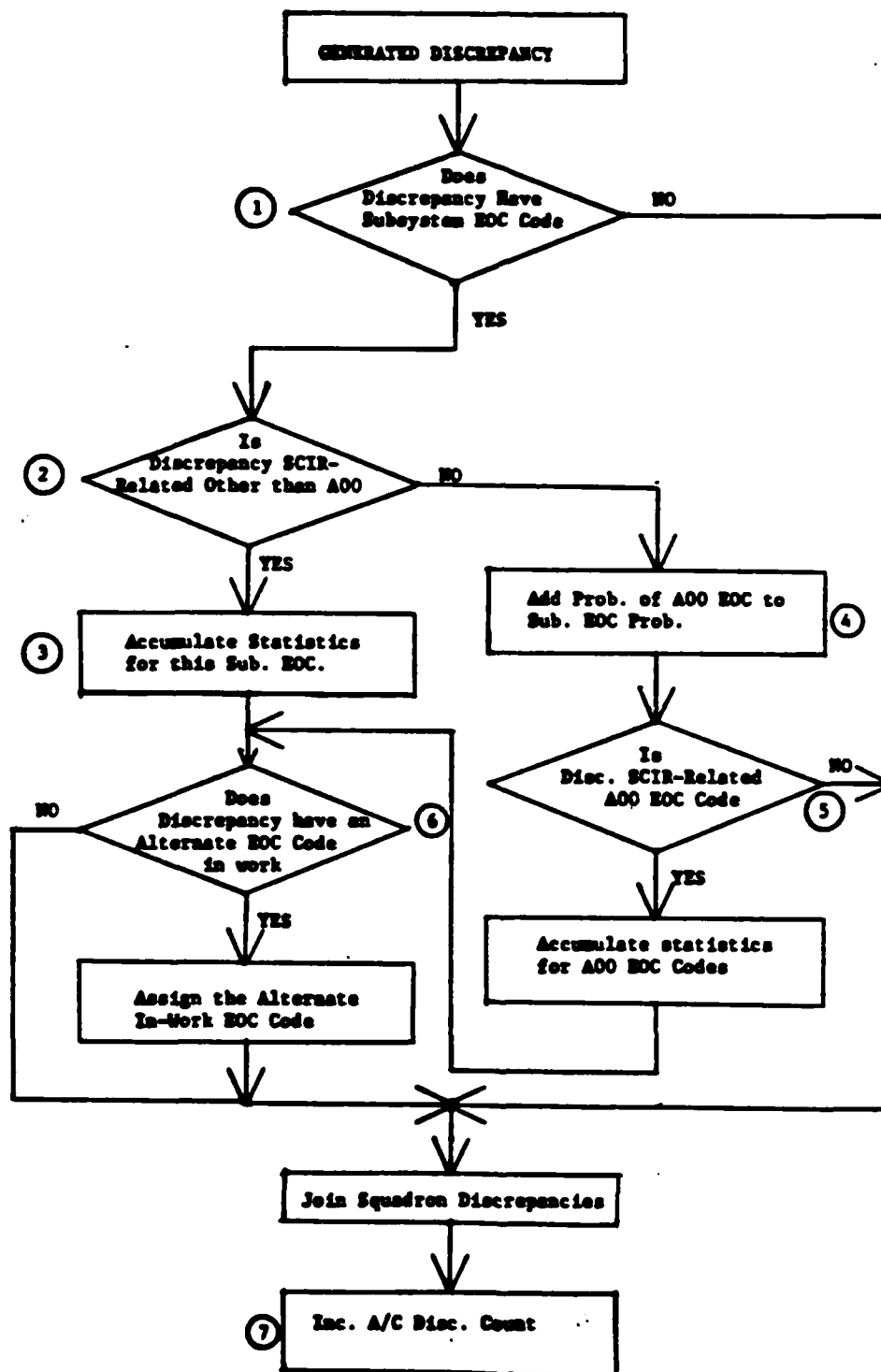


FIGURE 2
SCIR LOGIC FLOW DIAGRAM

an alternate EOC code in work cannot be assigned and the discrepancy will be sent to join the other squadron discrepancies as non-SCIR related. If these columns have a valid alternate EOC code, a random draw is made to see if the alternate EOC code should be assigned to the discrepancy. This determination is made with the probability defined in column 36 or 40. After determination is made as to the In-Work EOC code, the discrepancy is sent to join other squadron discrepancies.

Block Number 7 - At this block the aircraft discrepancy count is increased. This keeps the aircraft discrepancy count current.

SCIR Output Data Description

Under the ASD reporting versions, readiness hours were measured against each individual aircraft and reported in the REDI matrix for each squadron simulated. ASD related Awaiting Maintenance hours (AWM) are reported in the AWMR matrix. These hours are summarized by NORM and RMC categories.

In the SCIR reporting version, readiness hours against the aircraft are reported in the UTIL matrix. This matrix is comparable to the old REDI matrix but uses SCIR terminology. The AWMR matrix is also used in the SCIR based version of CASEE, however, awaiting maintenance hours are summarized by FMC, PMC and NMC categories. Unlike the ASD reporting version both SCIR impact hours and SCIR discrepancy hours are reported.

The SYST matrix in Version 5 is analogous to the SYSH matrix in Version 3. Both matrices are a compilation of the information in the MXLIB (matrix library). However, the SYST matrix has been expanded to accumulate impact and discrepancy time by subsystem for NMC, PMC and AWM categories.

Two new matrices have been added to CASEE in Version 5 to accomodate the additional reporting outputs generated by the SCIR system. The first of these matrices is the MCAP matrix. Impact hours for the reporting period are logged against each aircraft in the squadron and then against each mission code that the aircraft is capable of flying. The second new matrix included in Version 5 is the SCIM (SCIR Impact Summary) matrix. This matrix summarizes impact and discrepancy hours against each possible EOC code for both maintenance and supply categories.

A description of the CASEE Version 5 Mod 2 input and output matrices is provided in Appendix A. Matrix changes and additions reflecting the added SCIR logic and the non-cyclic launch scheduling routine, discussed in the next section, are delineated to the right of the comment statements.

Non-Cyclic Launch Scheduling Routine

The second enhancement described in this report is the Non-Cyclic Launch Scheduling option. In CASEE, an aircraft carrier's flight operations are referred to as cyclic operations while a shore-based flight operations are referred to as non-cyclic operations. This terminology will be used in this report. Non-cyclic launch scheduling operations in CASEE are characterized by launch times that are not governed by a deck cycle, typical of carrier based air operations. The launch times for cyclic operations and non-cyclic operations are defined in military time. In addition, the non-cyclic launch times utilize user defined launch windows which provide flexibility in achieving the scheduled launches. Provisions for flight quarters, and aircraft respot times utilized in cyclic operations are not needed during non-cyclic operations.

Cyclic operations are presently defined in terms of launch cycles in the Airplan matrices. The Airplan matrices are also used to define the missions to be flown at each launch event, the number of alert aircraft required for each launch event by mission types, and the minimum number of aircraft required to fly each mission. However, while in cyclic operations the mission duration is defined in terms of carrier launch cycles, for non-cyclic operations the mission duration is defined in terms of clock units (one tenth of an hour) using military times. The launch window option which was implemented for non-cyclic operations enhances mission accomplishment as discussed in the following paragraph.

Aircraft missions are set to launch at a specified time. In the simulated cyclic operations if the minimum number of aircraft required to fly the desired mission are not available, that mission is cancelled. This cancellation is a function of having mission times defined by a stringent flight deck cycle. The nature of shore based flight operations however, may allow for mission times to be more flexible since there exists less constraints on launch activities compared to those on a carrier. It is recognized that certain missions must be launched within a few minutes of the schedule to make commitments over bombing ranges, etc. Inclusion of a launch window allows more time for the required number of aircraft to become available to fly a mission. To illustrate the launch window concept, assume a mission required six airplanes to be launched, but six aircraft were not available exactly at the time of launch. If there was a launch window of one hour associated with this mission, and the additional needed aircraft became available for launch within this hour, the mission would be flown. However, if the original mission capable aircraft could have been used for lower priority missions during the launch window time period they would have flown these missions. Aircraft are not reserved for higher priority missions during a launch window.

For cyclic operations, provisions were made for flight quarters and respot activities. As related to air operations and

maintenance procedures, flight quarters and aircraft respotting allow some activities to take place and precludes others from taking place. However, in non-cyclic flight operations flight quarters and aircraft respotting were not integrated into flight/maintenance activities as they are in cyclic operations and therefore, are not simulated in the CASEE non-cyclic operation option. Cyclic operations also provide for in-cycle flight deck maintenance. This option is not provided in non-cyclic operations. Though these changes are simple in principle, they still required substantial review and revision of the carrier based CASEE logic and coding.

To accommodate the inclusion of non-cyclic operations in Version 5 of CASEE, several clarifications and changes had to be made to existing input matrices. Two additional input matrices had to be developed. These non-cyclic related matrix changes will now be discussed.

Additional inputs were required in the EXEC matrix, the COMPL matrix, and Airplan matrices. Additional outputs were required in the MISX matrices. The two matrices that were added to Version 5 to accommodate this enhancement were the LTIMC matrix and the LTIM matrix.

The LTIMC matrix is used only in conjunction with cyclic operations. This matrix defines the carrier launch cycle on a day-by-day basis. This cycle is used by all aircraft squadrons on board the carrier. The LTIM matrix is to be used in conjunction with non-cyclic operations. This matrix defines the daily squadron launch times. A new-matrix is defined for each squadron (LTIM1, LTIM2, etc.). Both matrices require the same set of inputs which are the total launch events per day, and the time of day of each launch event using the 24-hour clock for each day of flight operations.

IMA Support Equipment (SE) Description

The final enhancement which was performed by the study team under this effort was in the CASEE IMA logic. Calendar year 1981 enhancements to this segment of the CASEE logic provided the realistic modeling of component Turnaround Times (TAT) and the subsets of that which include processing, scheduling, actual repair time and awaiting parts. In order to establish a limited capability in the CASEE model to simulate SE availability and measure its impact on IMA component TAT an enhancement to the CASEE model was initiated.

Currently, the IMA logic can be activated by the CASEE user by introducing the appropriate logic statements through the Update Deck. The primary function of the Update Deck, as illustrated in Figure 3, is to provide the necessary interface between the CASEE user and the master source file. In a secondary capacity it frequently serves as a means of introducing temporary modifications into the model logic without revising the master. As long as users of a given Version and Modification of CASEE employ the same Update Deck, identical runs should give identical results.

An eventual outcome of the use of the Update Deck as a means of temporary modification is that the resultant increase in the number of cards makes it more difficult to handle and it becomes relatively inefficient in performing its primary function. At some such point it is necessary to conduct a total review of the temporary Update Deck entities, determine if any should be retained and decide whether it is appropriate to initiate their incorporation into the master source file.

The SE that was considered for the enhancement effort and is described in this section is the AN/USM-469 Radar Test Station (RTS). This SE serves as the primary support equipment for the F/A-18 Radar Set. To be consistent with the current IMA configuration, the SE enhancement was also programmed through the Update Deck. Figure 4 presents the logic flow diagram of the SE enhancement.

Since the AN/APG-65 contains a mixture of digital and analog components, the RTS provides a digital port and an analog port. When either port is down for maintenance the other port will normally be able to continue testing components. The exception is a failure in the central processor or the power supply of the RTS, which are common to both ports and therefore would render the entire RTS inoperable.

The most interesting aspect of this interaction is the repair of the RTS itself. The entire station must be shut down in order to repair either side, even if the power supply or central processor are not involved. If the digital side is down while the analog side is up, for instance, a decision must be made as to whether the entire station should be shut down completely to repair the digital port, or to continue to repair analog items, while allowing the di-

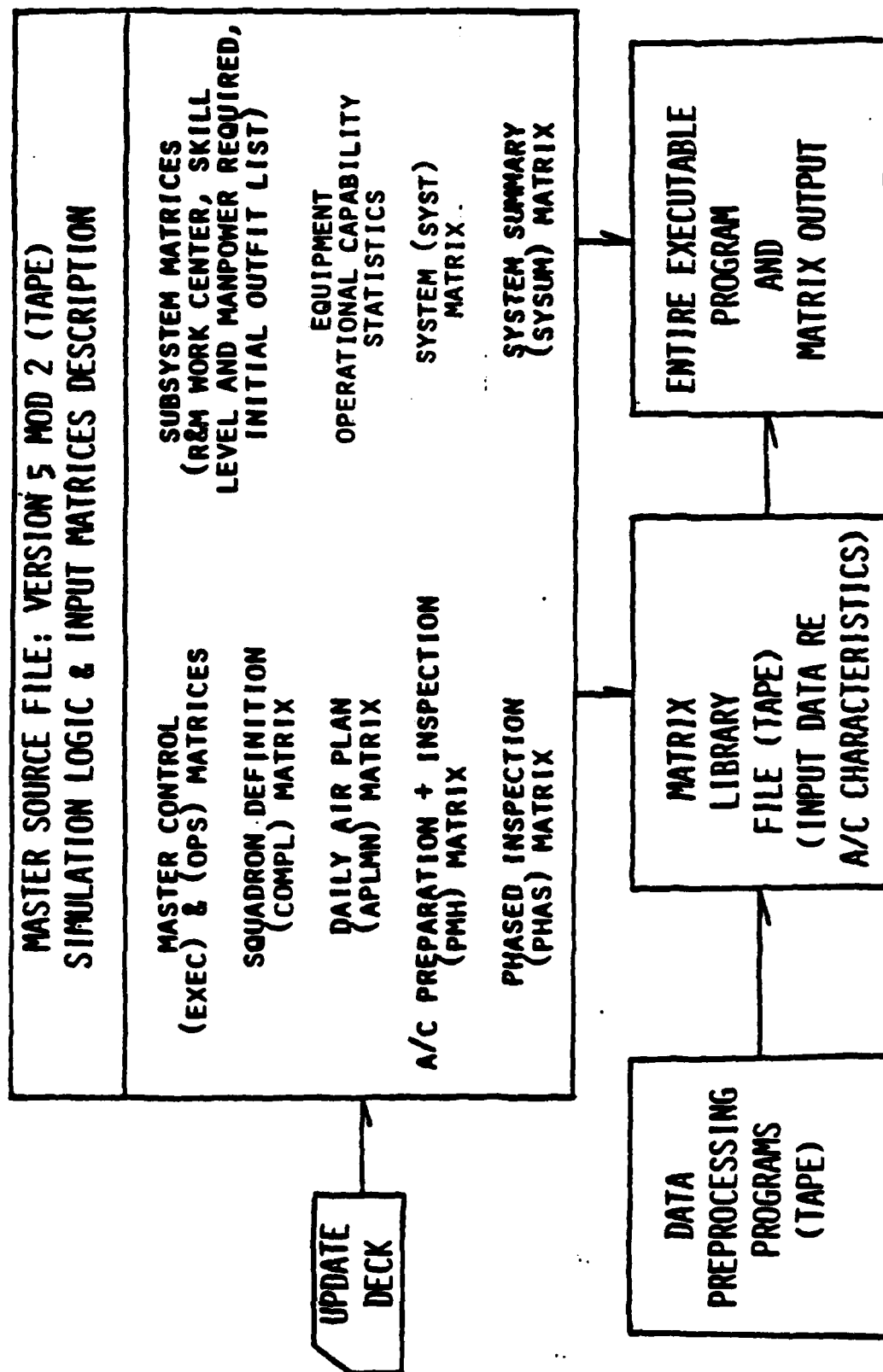


FIGURE 3 CASEE SIMULATION MODEL ELEMENTS

FIGURE 4
RADAR TEST STATION SIMULATION LOGIC FLOW DIAGRAM
LOGIC FLOW FOR REPAIR OF WRAS

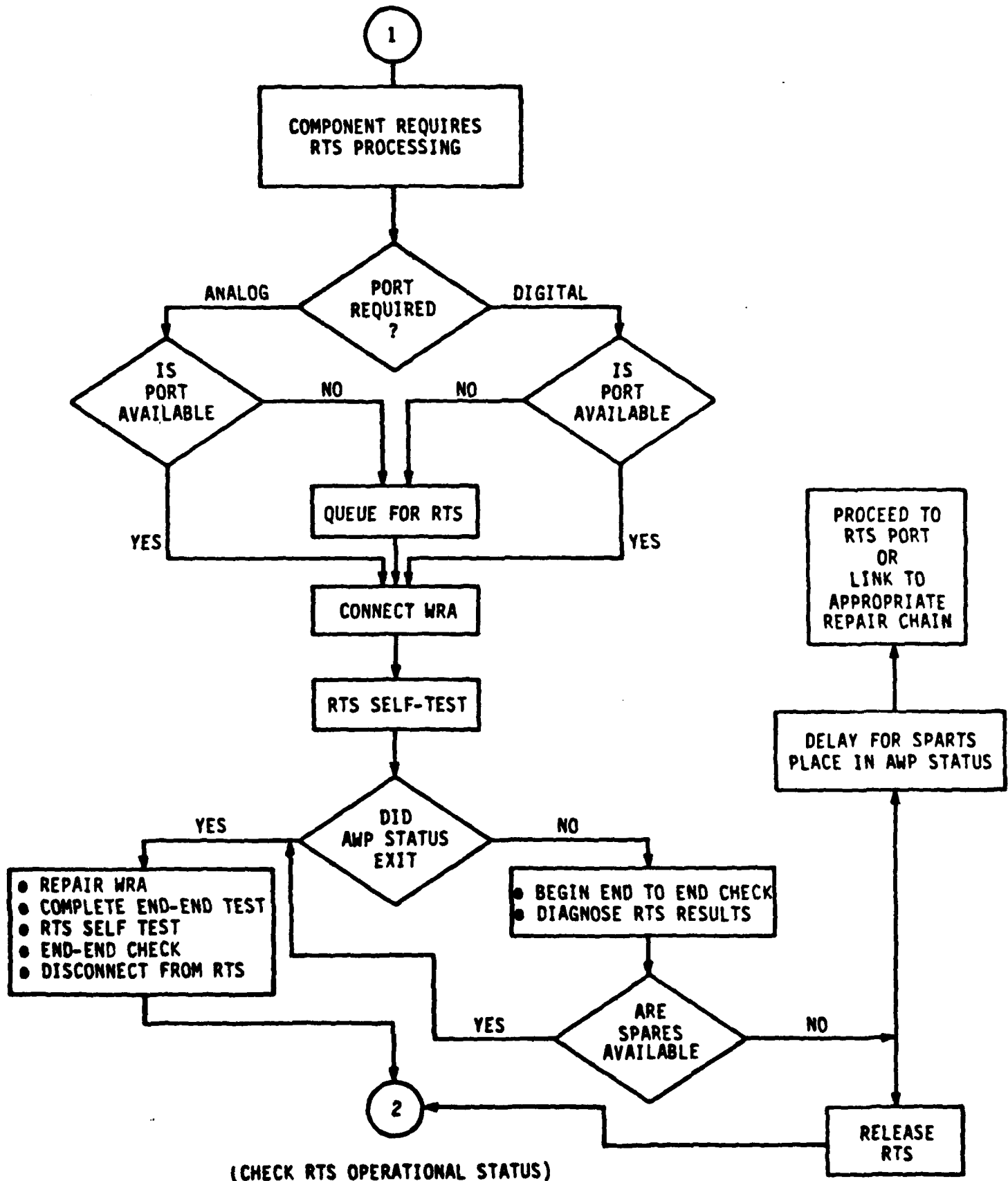


FIGURE 4 (CONTINUED)
LOGIC FLOW OF RTS OPERATIONAL STATUS

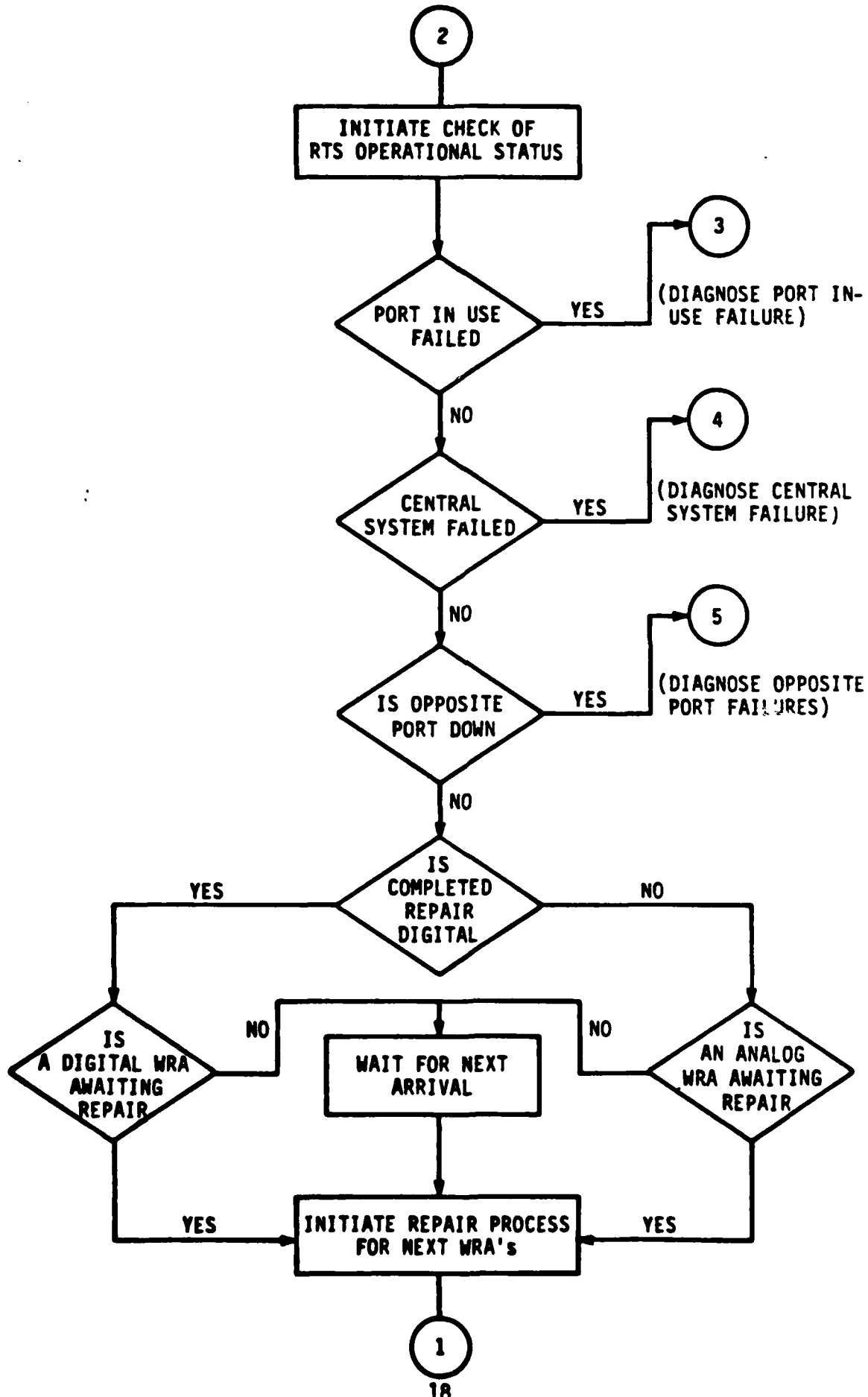


FIGURE 4 (CONTINUED)
LOGIC FLOW FOR FAILURE OF PORT IN USE

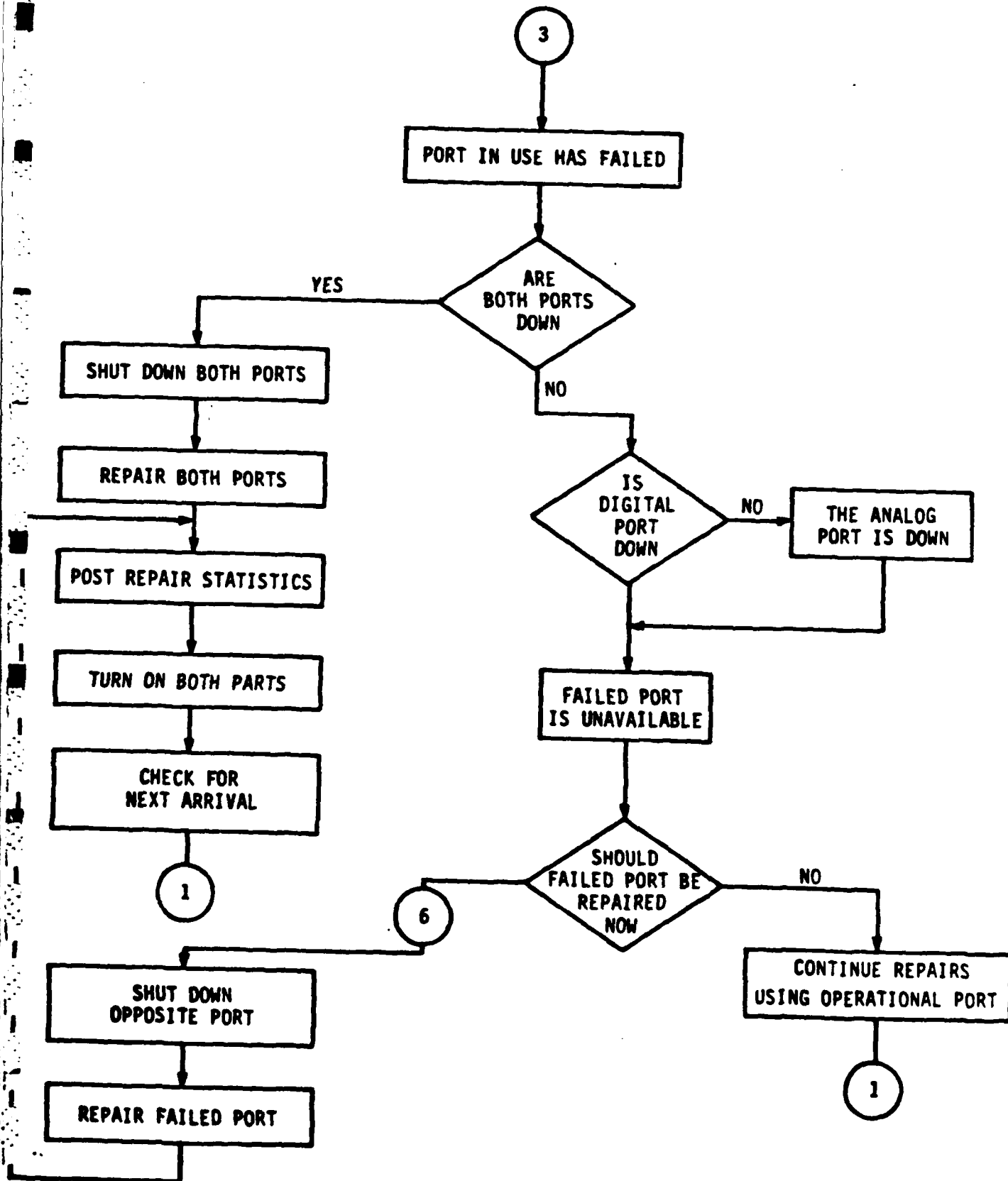


FIGURE 4 (CONTINUED)
LOGIC FLOW FOR FAILURE OF CENTRAL SYSYEM

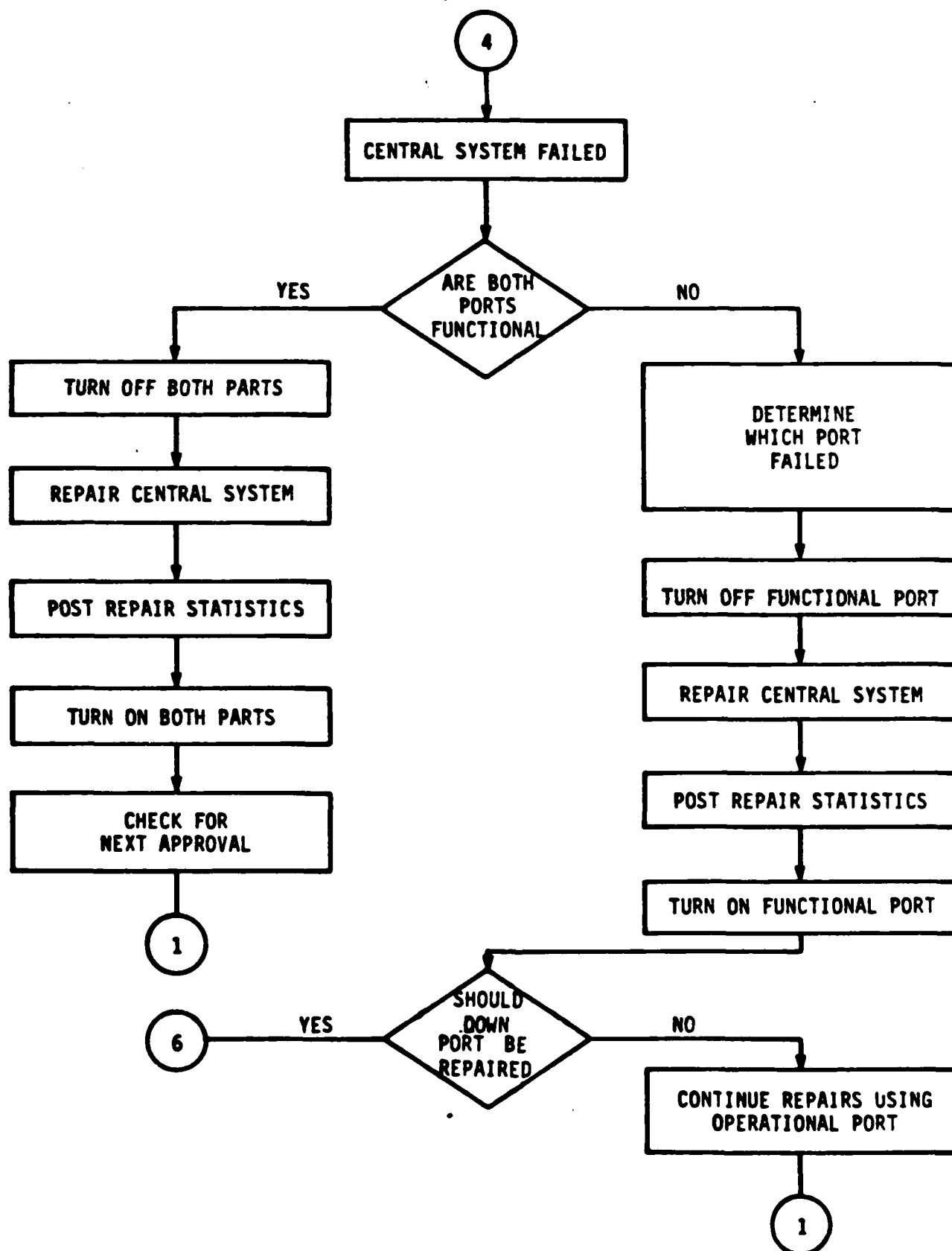
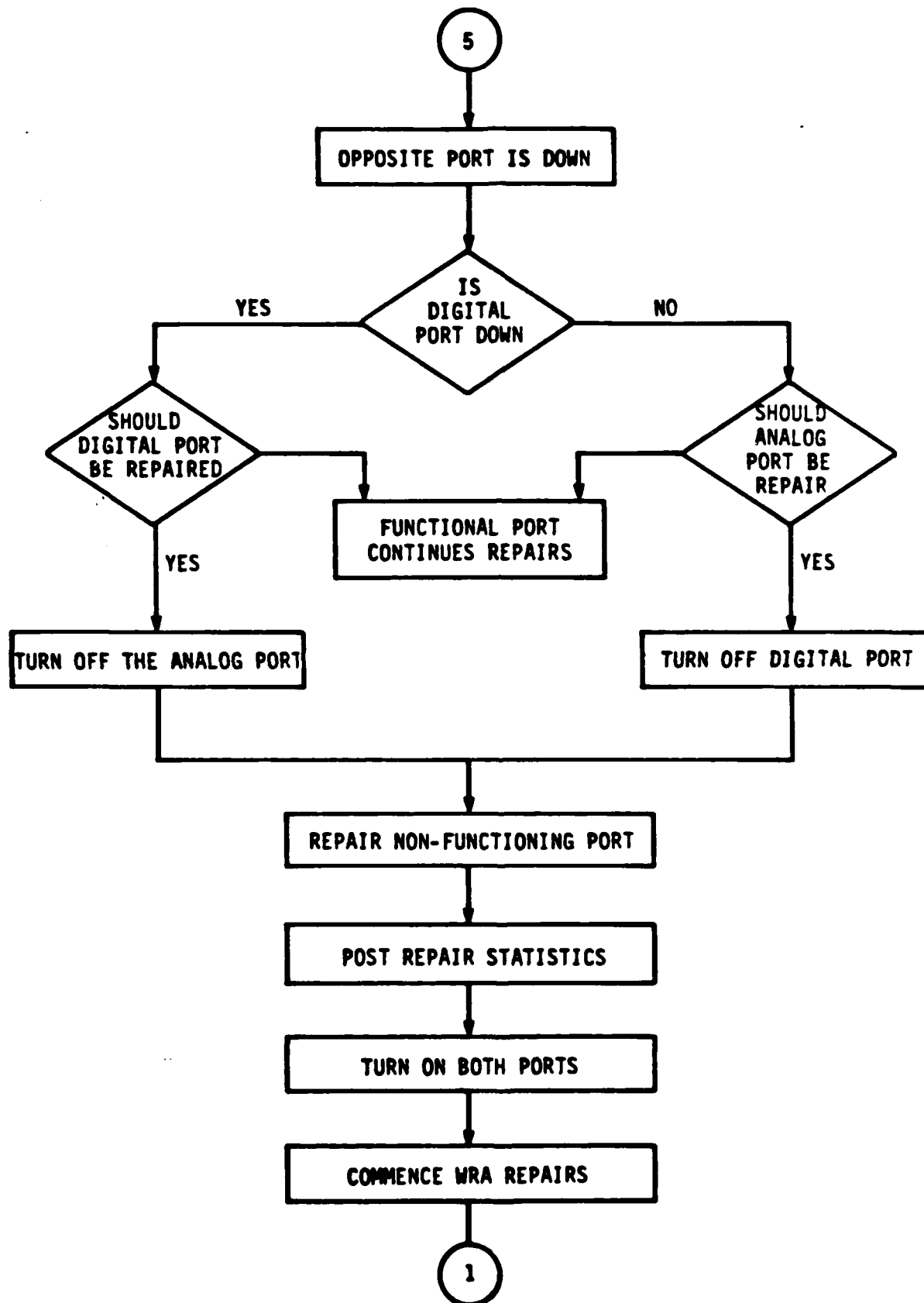


FIGURE 4 (CONTINUED)
LOGIC FLOW FOR OPPOSITE PORT BEING DOWN



gital items in need of repair to continue to queue. Discussions with fleet personnel revealed that numerous factors can have a direct bearing on this decision such as the number of expedited repairs (XREPS) or non-expedited repairs (NREPS) for either port, length of the queues for each port, availability of each port, etc. In order to reflect these decisions, several criteria were developed. A summary of these decisions criteria for different conditions are summarized in Table 3.

The operating concepts of the RTS includes a significant amount of time devoted to self-testing. Each time an end-to-end run-through of the testing cycle configured for a specific WRA is initiated, it is preceded by an internal validation check that consumes approximately 10 minutes of operating time. The normal test cycle for on-line repair, as described in RTS loading projections, consists of the following: connecting the assembly to the RTS and configuring the system, initiating the self-test and end-to-end run, diagnosing the failure identified by the run, repairing the failure, completing the end-to-end run to check for additional failures, repeating the self-test and end-to-end test to validate that the item is in fact repaired, and disconnecting the apparatus. These inputs are defined by the user prior to the simulation for each WRA that utilized the RTS.

Appendix B of this report contains the appropriate logic statements that must be introduced in the Update Deck of Version 5 Mod 2 to exercise the RTS.

TABLE 3

**RTS REPAIR DECISION CRITERIA FOR ONE PORT DISABLED
AND ONE PORT FUNCTIONAL**

No.	Disabled Port Workload Status	Functional Port Workload Status	RTS Repair Decision
1.	XREPS in Queue	Repairing XREPS	Continue Operating Functional Port
2.	XREPS in Queue	Repairing NREPS or No Repairs in Queue	Shut Down RTS to Repair Disabled Port
3.	NREPS in Queue	Repairing XREPS	Continue Operating Functional Port
4.	NREPS in Queue	Repairing NREPS	Continue Operating Functional Port
5.	NREPS in Queue	No Repairs in Queue	Shut Down RTS to Repair Disabled Port
6.	No Repairs Are In-Process	Repairing XREPS or NREPS	Continue Operating Functional Port
7.	No Repairs are In-Process	No Repairs are in Process	Shut Down RTS and Repair Disabled Port

VERIFICATION

General

The need to provide the user community and other interested observers with the assurance that a simulation will accurately portray the "real world", is an ever present commitment that must be met by those engaged in simulation model development. In verification tasks involving the CASEE model enhancement to date, a consistent approach has been followed for several years. The two basic elements are functional logic checks and numerical validation as described below.

The basic approach to verification associated with periodic model updating recognizes that extensive functional logic checks would have already been accomplished prior to the current enhancement effort that is underway. Under these conditions, it remains to identify those functions on the original listing which are now being modified and to check the final listing to confirm that all needed changes have been accomplished to yield a new and acceptable logic, consistent with the operational environment to be simulated.

SCIR Enhancement Verification

To validate the SCIR Logic enhancement, analysis was first performed to develop SCIR related input data capable of exercising the CASEE logic. This initial analysis was performed on data obtained from 1981 A-7E operating squadrons. The A-7E aircraft has over 1400 maintenance significant WRAs.

The data was obtained from the 3-M system and was summarized at the 2-digit work unit code level. Two digit work unit code sensitivity is more than adequate for numerical validation of the SCIR logic enhancement. The data summarization is presented in Table 4. Table 4 presents the probabilities that reflect the logic changes due to the SCIR enhancement. Formulation of these probabilities is the first step in performing a numerical validation of the SCIR logic enhancement. The probabilities are X1000 and reflect the probability of an aircraft discrepancy receiving a subsystem EOC code as an A00 code for R/R maintenance actions and for RIP maintenance actions.

CASEE simulation runs using the defined inputs were conducted as part of the verification process. The values shown in Table 4 were compared to those generated by the CASEE model to ensure correct operation in simulating the proper proportions of SCIR-related discrepancies at the system and aircraft level. The results of this analysis are provided in Tables 5 and 6.

TABLE 4

A-7E SCIR-RELATED INPUT PROBABILITIES FOR SUBSYSTEM EOC WHEN
RECEIVED AND A00 CODE WHEN RECEIVED - (X1000)

WUC	Remove & Replace Action		Repair In Place Action	
	P (EOC) Code	P (A00) Code	P (EOC) Code	P (A00) Code
11	540	134	046	009
12	561	189	104	026
13	736	123	241	037
14	819	193	272	035
23	817	090	211	050
29	732	167	279	057
41	395	123	187	040
42	787	129	346	054
44	678	252	206	046
45	811	095	330	031
46	502	089	252	028
47	621	111	206	020
49	780	097	246	041
51	770	147	407	047
56	834	200	379	062
57	843	177	437	067
63	801	192	364	074
64	884	134	375	081
65	786	201	398	071
67	833	383	300	063
71	856	146	434	077
72	814	203	463	092
73	872	184	496	086
74	780	219	333	072
75	298	090	092	020
76	775	289	313	075
77	636	-	280	050
91	286	079	109	191
96	333	-	200	-
97	549	175	182	025
Total	770	165	248	043

TABLE 5
COMPARISON OF SCIR DATA FOR R/R ACTIONS

WUC	R/R Actions		SCIR Discrepancies		A00 Actions	
	Expected	CASEE	Expected	CASEE	Expected	CASEE
11	22	23	12	10	3	3
12	13	13	7	9	2	2
13	173	162	129	117	21	23
14	43	35	35	21	8	14
23	27	21	22	17	2	2
29	25	22	19	16	5	4
41	40	36	16	14	5	8
42	41	37	32	30	5	4
44	20	26	14	15	5	9
45	18	20	15	16	2	3
46	39	23	15	10	3	3
47	5	3	3	2	1	0
49	3	3	3	1	1	1
51	113	119	86	80	17	14
56	2	1	1	1	0	0
57	57	53	49	41	10	13
63	118	118	94	94	22	28
64	3	1	8	8	2	0
65	17	27	14	21	4	6
67	7	9	6	9	3	0
71	159	147	136	125	23	25
72	40	45	33	36	8	4
73	422	410	366	360	78	63
74	33	31	25	31	7	4
75	63	63	19	22	5	5
76	62	59	48	48	17	17
77	0	0	0	0	0	0
91	4	6	1	3	0	0
96	0	0	0	0	0	0
97	0	0	0	0	0	0
TOTAL	1569	1513	1208	1157	259	255

TABLE 6
COMPARISON OF SCIR DATA FOR RIP ACTIONS

WUC	RIP Actions		SCIR Discrepancies		A00 Actions	
	Expected	CASEE	Expected	CASEE	Expected	CASEE
11	919	946	42	48	8	6
12	218	219	22	18	6	11
13	440	430	105	95	16	18
14	211	211	57	47	7	9
23	83	80	17	21	4	5
29	92	91	25	30	5	8
41	81	87	15	15	3	3
42	136	134	47	46	7	10
44	227	221	47	43	11	5
45	122	114	41	36	4	6
46	150	133	39	30	4	5
47	40	42	8	8	1	0
49	45	49	10	14	2	0
51	202	209	82	75	10	6
56	8	8	3	3	1	0
57	117	95	51	31	8	9
63	172	181	62	75	13	12
64	36	12	11	2	2	3
65	23	37	9	11	2	1
67	23	29	7	5	2	2
71	104	108	46	34	8	10
72	65	77	30	32	6	7
73	452	479	225	236	39	49
74	97	94	32	34	7	11
75	160	159	15	11	3	5
76	86	76	27	20	7	7
77	7	5	2	1	0	0
91	28	28	3	3	1	1
96	0	0	0	0	0	0
97	8	5	1	0	0	0
TOTAL	4352	4359	1081	1024	187	209

The results in Tables 5 and 6 indicate that the CASEE SCIR logic produces the correct frequency of SCIR discrepancies for both R/R actions and RIP actions. It is believed that this verification is the initial phase to a total verification of the CASEE SCIR logic to be implemented in the near future. The purpose of this effort was to ensure that the flow of events which directly impacts on aircraft mission capability status, such as frequency of downing discrepancies is acceptable. However, due to the complex nature of the SCIR system and the lack of a representative SCIR data base a total verification of the SCIR logic is not presently possible. A numerical validation of the logic to assess whether the model produces readiness-related parameters by making direct comparison with 3-M data is beyond the scope of this study. Such an effort however should and could be implemented in the near future. At that time, the model would have been thoroughly tested by the user community and a SCIR data base for a current fleet operating aircraft would be available for the purpose of such a verification. It is anticipated that the capability to generate such a data base for any fleet aircraft tailored to the newly created SCIR version would exist during the first quarter of calendar year 1983. Implementation of a total verification of the CASEE SCIR logic could be accomplished shortly thereafter.

Launch Scheduling Routing Verification

The verification of the CASEE non-cyclic launch scheduling routine consisted of conducting several selected simulation runs with the objective of checking appropriate segments of the CASEE logic. Since the CASEE enhancement in this area also resulted in logic changes to a significant portion of the original CASEE cyclic launch scheduling routine, a verification of both the cyclic and non-cyclic logic was required.

As mentioned earlier, the primary difference between the non-cyclic versus the cyclic launch options was the implementation of the launch window and the feasibility of scheduling sorties without regard to carrier launch and recovery cycle constraints. In view of this, the first verification proceeded to develop an operational scenario which can be properly defined in both options with the objective of comparing the results to determine whether similar results could be obtained. A series of runs using an A-7E flight scenario was defined for this purpose. These runs were performed using a launch window set to zero and with a schedule which launches two hour sorties every two hours. The CASEE results for this scenario as defined in the cyclic and non-cyclic versions were significantly alike, indicating that no unique problems or inconsistencies exist in the two launch routines.

In order to test the launch window in the non-cyclic option, a small program was developed and incorporated into the CASEE runs to conduct internal checks and track launch times of each sortie. An examination of three 6 month runs showed that the launch window was functioning properly and did generate rescheduled sorties within the launch window where possible. As support constraints were further defined within the model (such as spares and manpower) the model responded with a corresponding increase in the number of sorties which were launched during the launch window.

Support Equipment Enhancement Verification

The RTS flow logic verification was conducted by performing an extensive functional logic check to ensure that repair transactions are correctly processed by the program under anticipated conditions. A dummy data base consisting of the radar components was developed prior to exercising the model logic. Numerous simulation runs were then conducted under varying conditions such as reduced spares levels, RTS operational availability and aircraft utilization levels to ensure proper operation of the key decision blocks within the RTS logic. Results of the analysis concluded that the RTS logic was properly functioning.

SUMMARY

All of the enhancements developed under this contract have accomplished the desired results. The comparison of output parameters affected by the newly implemented SCIR logic, non-cyclic launch routine and SE modification has demonstrated that each of them is properly integrated into CASEE. Detailed comparison of simulation output with actual Navy experience were not conducted, but only because a data base of the desired type of operation could not be defined and is not readily available in 3-M using the same aircraft type. As a consequence, the model was run at length and monitored to ensure that proper decisions were made in the simulation at key steps in the model logic.

The other candidates for enhancement noted in the Recommendation section of this report should be given every consideration for development in the immediate future. These additional enhancements would encompass the adaptation of the CASEE Version 4 Mod 0 (V4M0) model to track weapon system readiness using the SCIR logic and the introduction of an improved model execution routine which uses a cumulative WRA failure probability distribution to determine the failed WRA, thus reducing computer resources requirements and runs cost.

CONCLUSION

The versatility and efficiency of CASEE have been considerably enhanced by this effort. However, the additional enhancements identified in this report should be pursued at the earliest possible date.

RECOMMENDATIONS

It is recommended that additional enhancements be developed and incorporated into the model at the earliest possible date. It is believed that the improvements listed below will respond to requirements for enhancing the V/STOL version of CASEE, used earlier in SBA applications, to increase the operating efficiency and its utility for Navy project support.

- a. Implementation of SCIR logic into Version 4 Mod Ø.
- b. Enhancement of Version 4 Mod Ø model in the maintenance action generation routine to reduce runtime and execution cost.
- c. The combining of CASEE with a large simulation model of the detailed operations at a typical IMA avionics shop to provide an interactive evaluation of IMA proposed concepts.
- d. An in-depth validation of the SCIR logic to ensure the model produces readiness statistics representative of those experienced by current operational aircraft.

APPENDIX A

VERSION 5 MOD 2 SOURCE LISTING

LINE STATE IF WD BLOCK# *LOC OPERATION A.B.C.D.E.F.G COMMENTS

```

* 00000310 1 REALLLOCATE XAC.600
* 12/10/82 2 REALLLOCATE HLU.297J
* 00000330 3 REALLLOCATE FAC.0
* 00000340 4 REALLLOCATE STU.95
* 00000350 5 REALLLOCATE QUE.3J
* 00000360 6 REALLLOCATE LUG.95
* 00000370 7 REALLLOCATE T48.5
* 00000380 8 REALLLOCATE FUN.3J
* 00000390 9 REALLLOCATE VAR.130
* 00000400 10 REALLLOCATE BVR.60
* 00000410 11 REALLLOCATE FSV.35
* 00000420 12 REALLLOCATE HSV.50
* 00000430 13 REALLLOCATE BSV.55
* 00000440 14 REALLLOCATE LSV.0
* 00000450 15 REALLLOCATE CHA.50
* 00000460 16 REALLLOCATE GRP.25
* 00000470 17 REALLLOCATE FMS.15
* 00000480 18 REALLLOCATE HMS.165
* 00000490 19 REALLLOCATE BMS.5
* 00000500 20 REALLLOCATE LMS.0
* 12/10/82 21 REALLLOCATE COM.7000.0
* 12/10/82 22 SIMULATE 2005
* 00000520 23 SIMULATE
* 00000550 24
* 12/10/82 25 RMULT 1143507548.65953241.1090714356.579834218.74322
* 12/10/82 26 4679.354079123.253455987.978675645.465378967.153654789
* 12/10/82 27 -1143567596.-605983241.-1038714356.-579634218.-74322-
* 12/10/82 28 4679.-354679123.-253455987.-978675645.-4653789-
* 12/10/82 29 67.-1536547897
* 00000520 30
* 00000570 31
* 00000580 32
* 00000590 33
* 00000600 34
* 12/10/82 35
* 00000620 36
* 00000630 37
* 00000640 38
* 00000650 39
* 00000660 40
* 00000670 41
* 00000680 42
* 00000690 43
* 00000700 44
* 00000710 45
* 00000720 46
* 00000730 47
* 00000740 48
* 00000750 49
* 00000760 50
* 12/10/82 51
* 12/10/82 52
* 12/10/82 53
* 12/10/82 54
* 12/10/82 55
* 12/10/82 56

```

```

*****
* CASE SIMULATION MODEL
* VERSION 5 MOD 2A 16 NOVEMBER 1982
*
* PREPARED FOR
* NAVAL AIR SYSTEMS COMMAND, CODE AIR-5143
* DEPARTMENT OF THE NAVY
* BY
* NORDEN SYSTEMS
* NORWALK, CONNECTICUT 06856
*
*****

```

CLOCK UNIT = 0.1 HOUR

```

*****
* ***** DESCRIPTION OF RUN *****
* THIS UPDATE DECK ILLUSTRATES THE USE OF CASE TO SIMULATE NON-
* CYCLIC (E.G. LAND BASED) OPERATIONS.

```

```

*****
* USE WITH CASE VERSION 5 MOD 1 ***** AND USE WITH ATMKL102 **
* THIS RUN USES INPUT DATA DERIVED USING PROCESSED 3-M DATA COLLECTED ON

```

LINE# STAT# IF DO BLANK# WLOC OPERATION A,B,C,D,E,F,G COMMENTS

12/10/82 57 * THE A-7E AIRCRAFT DURING A SIX MONTH PERIOD IN 1977. A TOTAL OF 7
12/10/82 58 * ATLANTIC FLEET SQUADRONS WERE USED TO GENERATE THE MATRIX LIBRARY.
12/10/82 59 * PROCESSING OF THE MATRIX LIBRARY WAS ACCOMPLISHED BY NJORDEN SYSTEMS.
12/10/82 60 * THE MATRIX LIBRARY CONSISTS OF 191 SUBSYSTEMS AND ANY WKA HAVING AT
12/10/82 61 * LEAST 2 MAINTENANCE ACTIONS GENERATED AGAINST IT DURING THE SIX-MONTH
12/10/82 62 * TIME FRAME.
12/10/82 63 *****
12/10/82 64 * NUMERICAL ASSIGNMENT OF SUBSYSTEM MATRICES
12/10/82 65 * UNLIST
12/10/82 66 *****

12/10/82	66	AAA00 EQU	21,MM
12/10/82	67	AAB00 EQU	22,MM
12/10/82	68	AAC00 EQU	23,MM
12/10/82	69	AAD00 EQU	24,MM
12/10/82	70	AAB01 EQU	25,MM
12/10/82	71	ABCB0 EQU	26,MM
12/10/82	72	ABCD0 EQU	27,MM
12/10/82	73	ABCD0 EQU	28,MM
12/10/82	74	ABCD0 EQU	29,MM
12/10/82	75	ABCD1 EQU	30,MM
12/10/82	76	ABCD5 EQU	31,MM
12/10/82	77	ABCD6 EQU	32,MM
12/10/82	78	ABCD6 EQU	33,MM
12/10/82	79	ABCD9 EQU	34,MM
12/10/82	80	ABCD0 EQU	35,MM
12/10/82	81	ABCD0 EQU	36,MM
12/10/82	82	AB100 EQU	37,MM
12/10/82	83	ADA00 EQU	38,MM
12/10/82	84	AD000 EQU	39,MM
12/10/82	85	AD000 EQU	40,MM
12/10/82	86	AD000 EQU	41,MM
12/10/82	87	AD000 EQU	42,MM
12/10/82	88	AD000 EQU	43,MM
12/10/82	89	AD100 EQU	44,MM
12/10/82	90	AEA00 EQU	45,MM
12/10/82	91	AEA11 EQU	46,MM
12/10/82	92	AEA12 EQU	47,MM
12/10/82	93	AEA14 EQU	48,MM
12/10/82	94	AEA15 EQU	49,MM
12/10/82	95	AEA21 EQU	50,MM
12/10/82	96	AEA23 EQU	51,MM
12/10/82	97	AEFA1 EQU	52,MM
12/10/82	98	AEF29 EQU	53,MM
12/10/82	99	AE000 EQU	54,MM
12/10/82	100	AE050 EQU	55,MM
12/10/82	101	AE057 EQU	56,MM
12/10/82	102	AE058 EQU	57,MM
12/10/82	103	AE059 EQU	58,MM
12/10/82	104	AFCY1 EQU	59,MM
12/10/82	105	AFCY2 EQU	60,MM
12/10/82	106	AFC15 EQU	61,MM
12/10/82	107	AFC15 EQU	62,MM
12/10/82	108	AFC22 EQU	63,MM
12/10/82	109	AFC31 EQU	64,MM
12/10/82	110	AFC34 EQU	65,MM
12/10/82	111	AFC42 EQU	66,MM
12/10/82	112	AFC51 EQU	67,MM

12/10/82	113		AFC54	EUU	69.4M
12/10/82	114		AFC72	EUU	69.4M
12/10/82	115		AFUR7	EUU	73.4M
12/10/82	116		AFJ23	EUU	71.4M
12/10/82	117		AFDR1	EUU	72.4M
12/10/82	118		AFDR4	EUU	73.4M
12/10/82	119		AFEY1	EUU	74.4M
12/10/82	120		AFEV2	EUU	75.4M
12/10/82	121		AFE34	EUU	76.4M
12/10/82	122		AFE41	EUU	77.4M
12/10/82	123		AFE43	EUU	78.4M
12/10/82	124		AFG23	EUU	79.4M
12/10/82	125		AGAD1	EUU	80.4M
12/10/82	126		AGAK7	EUU	81.4M
12/10/82	127		AGAK1	EUU	82.4M
12/10/82	128		AGAL6	EUU	83.4M
12/10/82	129		AGAL8	EUU	84.4M
12/10/82	130		AGA3C	EUU	85.4M
12/10/82	131		AGA34	EUU	86.4M
12/10/82	132		AGA41	EUU	87.4M
12/10/82	133		AGA43	EUU	88.4M
12/10/82	134		AGBR4	EUU	89.4M
12/10/82	135		AGBY1	EUU	90.4M
12/10/82	136		AGB28	EUU	91.4M
12/10/82	137		AGB36	EUU	92.4M
12/10/82	138		AGB38	EUU	93.4M
12/10/82	139		AGB39	EUU	94.4M
12/10/82	140		AGCAS	EUU	95.4M
12/10/82	141		AGCA1	EUU	96.4M
12/10/82	142		AGCA2	EUU	97.4M
12/10/82	143		AGCA3	EUU	98.4M
12/10/82	144		AGCA4	EUU	99.4M
12/10/82	145		AGCA5	EUU	100.4M
12/10/82	146		AGCA6	EUU	101.4M
12/10/82	147		AGCR5	EUU	102.4M
12/10/82	148		AGCX1	EUU	103.4M
12/10/82	149		AGCUU	EUU	104.4M
12/10/82	150		AGC11	EUU	105.4M
12/10/82	151		AGC46	EUU	106.4M
12/10/82	152		AGC5A	EUU	107.4M
12/10/82	153		AGC51	EUU	108.4M
12/10/82	154		AGDX1	EUU	109.4M
12/10/82	155		AGDY1	EUU	110.4M
12/10/82	156		AGDY4	EUU	111.4M
12/10/82	157		AGJ0U	EUU	112.4M
12/10/82	158		AGD55	EUU	113.4M
12/10/82	159		AGJ8A	EUU	114.4M
12/10/82	160		AGD8E	EUU	115.4M
12/10/82	161		AGD8M	EUU	116.4M
12/10/82	162		AGD8K	EUU	117.4M
12/10/82	163		AGD8M	EUU	118.4M
12/10/82	164		AGD86	EUU	119.4M
12/10/82	165		AGJ87	EUU	120.4M
12/10/82	166		AGD8H	EUU	121.4M
12/10/82	167		AGJ84	EUU	122.4M
12/10/82	168		AGEA6	EUU	123.4M

LINE# STMT# IF DO BLUCL# *LOC OPERAION A,B,C,D,E,F,G COMMENTS

12/10/82	169				AGEB2 EQU	124.4H
12/10/82	170				AGEB6 EQU	125.4H
12/10/82	171				AGEB1 EQU	126.4H
12/10/82	172				AGEB6 EQU	127.4H
12/10/82	173				AGEO0 EQU	128.4H
12/10/82	174				AGE18 EQU	129.4H
12/10/82	175				AGE14 EQU	130.4H
12/10/82	176				AGE38 EQU	131.4H
12/10/82	177				AGE3d EQU	132.4H
12/10/82	178				AGE4b EQU	133.4H
12/10/82	179				AGE4C EQU	134.4H
12/10/82	180				AGE4G EQU	135.4H
12/10/82	181				AGE4b EQU	136.4H
12/10/82	182				AGE52 EQU	137.4H
12/10/82	183				AGE54 EQU	138.4H
12/10/82	184				AGE56 EQU	139.4H
12/10/82	185				AGE62 EQU	140.4H
12/10/82	186				AGE63 EQU	141.4H
12/10/82	187				AGE64 EQU	142.4H
12/10/82	188				AGEF6 EQU	143.4H
12/10/82	189				AGEF3 EQU	144.4H
12/10/82	190				AGEF3L EQU	145.4H
12/10/82	191				AGEF3M EQU	146.4H
12/10/82	192				AGEF31 EQU	147.4H
12/10/82	193				AGEF6M EQU	148.4H
12/10/82	194				AGEF63 EQU	149.4H
12/10/82	195				AGEF65 EQU	150.4H
12/10/82	196				AGEF66 EQU	151.4H
12/10/82	197				AGEF7L EQU	152.4H
12/10/82	198				AGEF81 EQU	153.4H
12/10/82	199				AGEA1 EQU	154.4H
12/10/82	200				AGEB1 EQU	155.4H
12/10/82	201				AGEB8 EQU	156.4H
12/10/82	202				AGEA1 EQU	157.4H
12/10/82	203				AGEB5 EQU	158.4H
12/10/82	204				ATA00 EQU	159.4H
12/10/82	205				ATF00 EQU	160.4H
12/10/82	206				ATG00 EQU	161.4H
00000520	207				* NUMERICAL ASSIGNMENT OF AIR PLAN MATRICES	
00000530	208				* LIST	
00000540	209				* UNLIST	
00000550	210				APL11 EQU	1.4R
12/10/82	211				APL1F EQU	2.4R
00000570	212				* NUMERICAL ASSIGNMENT OF OTHER ENTITIES	
00000580	213				* LIST	
00000590	214				* UNLIST	
00000600	215				APLA1 EQU	101.10L
00000610	216				CASE EQU	1.4R
00000620	217				COMPL EQU	2.4R
00000630	218				MEG1 EQU	3.4R
00000640	219				RTM3 EQU	1.4R
00000650	220				ORDL1 EQU	1.4R
00000660	221				ORDL1 EQU	2.4R
00000670	222				POST1 EQU	3.4R
00000680	223				PREF1 EQU	4.4R
00000690	224					

AIR PLAN CONTROL SYNC (NON-CYCLIC OPS)
CASE NO. FOR STATISTICAL TESTING
A/C COMPLEMENT
-1
12707
UNAVANCE LOAD - SQUADRON #1
UNAVANCE RECONFIGURE - SQUADRON #1
POSTFLIGHT INSPECTION - SQUADRON #1
PREFLIGHT INSPECTION - SQUADRON #1

LINE#	STMT#	IF	DO	3LUC48	LOC	OPERATION	ADDRESS	COMMENTS
00000700	225				TUMCI	EQ	5,7,5	TURNAROUND INSPECTION - SQUADRON #1
00000710	226				DALLI	EU	6,4,5	DAILY INSPECTION - SQUADRON #1
00000720	227				SKEDI	EU	7,0,5	CALENDARPHASED INSPECTION - SQUADRON #1
00000730	228				UNSKI	EU	8,0,5	UNSCHEDED. MAINTENANCE - SQUADRON #1
00000740	229				RADMI	EU	12,0,0	4EPAIRS AMM - SQUADRON #1
00000750	230				MAU11	EU	12,0,5	WORK CENTER 110 - SQUADRON #1 - 1ST SHIFT
00000760	231				MAU11	EU	13,5	WORK CENTER 120 - SQUADRON #1 - 1ST SHIFT
00000770	232				AME11	EU	14,5	WORK CENTER 130 - SQUADRON #1 - 1ST SHIFT
00000780	233				CHK11	EU	15,5	WORK CENTER 140 - SQUADRON #1 - 1ST SHIFT
00000790	234				TGT11	EU	16,5	WORK CENTER 150 - SQUADRON #1 - 1ST SHIFT
00000800	235				MAU11	EU	17,5	WORK CENTER 210 - SQUADRON #1 - 1ST SHIFT
00000810	236				MAE11	EU	18,5	WORK CENTER 220 - SQUADRON #1 - 1ST SHIFT
00000820	237				MAU11	EU	19,5	WORK CENTER 230 - SQUADRON #1 - 1ST SHIFT
00000830	238				PHU11	EU	20,5	WORK CENTER 240 - SQUADRON #1 - 1ST SHIFT
00000840	239				MAU11	EU	21,5	WORK CENTER 250 - SQUADRON #1 - 1ST SHIFT
00000850	240				LIM11	EU	22,5	WORK CENTER 300 - SQUADRON #1 - 1ST SHIFT
00000860	241				MAU12	EU	26,5	WORK CENTER 110 - SQUADRON #1 - 2ND SHIFT
00000870	242				MAU12	EU	27,5	WORK CENTER 120 - SQUADRON #1 - 2ND SHIFT
00000880	243				AME12	EU	28,5	WORK CENTER 130 - SQUADRON #1 - 2ND SHIFT
00000890	244				CHK12	EU	29,5	WORK CENTER 140 - SQUADRON #1 - 2ND SHIFT
00000900	245				TGT12	EU	31,5	WORK CENTER 150 - SQUADRON #1 - 2ND SHIFT
00000910	246				MAU12	EU	31,5	WORK CENTER 210 - SQUADRON #1 - 2ND SHIFT
00000920	247				MAE12	EU	32,5	WORK CENTER 220 - SQUADRON #1 - 2ND SHIFT
00000930	248				MAU12	EU	33,5	WORK CENTER 230 - SQUADRON #1 - 2ND SHIFT
00000940	249				PHU12	EU	34,5	WORK CENTER 240 - SQUADRON #1 - 2ND SHIFT
00000950	250				MAU12	EU	35,5	WORK CENTER 250 - SQUADRON #1 - 2ND SHIFT
00000960	251				LIM12	EU	36,5	WORK CENTER 300 - SQUADRON #1 - 2ND SHIFT
00000970	252				INFT1	EU	42,5	IN FLIGHT - SQUADRON #1
00000980	253				MONS1	EU	41,5	HANGAR DECK MAINT. SPACES - SQUADRON #1
00000990	254				MAU1	EU	15,6,0	WORK CENTER 110 - SQUADRON #1
00010000	255				MAU1	EU	16,6,0	WORK CENTER 120 - SQUADRON #1
00010010	256				AME1	EU	17,6,0	WORK CENTER 130 - SQUADRON #1
00010020	257				CHK1	EU	18,6,0	WORK CENTER 140 - SQUADRON #1
00010030	258				TGT1	EU	19,6,0	WORK CENTER 150 - SQUADRON #1
00010040	259				MAU1	EU	20,6,0	WORK CENTER 210 - SQUADRON #1
00010050	260				MAE1	EU	21,6,0	WORK CENTER 220 - SQUADRON #1
00010060	261				MAU1	EU	22,6,0	WORK CENTER 230 - SQUADRON #1
00010070	262				PHU1	EU	23,6,0	WORK CENTER 240 - SQUADRON #1
00010080	263				MAU1	EU	24,6,0	WORK CENTER 250 - SQUADRON #1
00010090	264				LIM1	EU	25,6,0	WORK CENTER 300 - SQUADRON #1
00010100	265				OSCR1	EU	10,0,0	CURRENT DISCREPANCIES - SQUADRON #1
00010110	266				ACMA1	EU	5,0	A/C IN MAINTENANCE - SQUADRON #1
00010120	267				ACMA1	EU	5,0	A/C NOT IN MAINTENANCE - SQUADRON #1
00010130	268				LIV01	EU	6,0	AWAITING LINE INSPECTION - SQUADRON #1
00010140	269				RIVM1	EU	7,0	REPAIRS IN WORK - SQUADRON #1
00010150	270				RAMP1	EU	8,0	REPAIRS APP - SQUADRON #1
00010160	271				KDFR1	EU	9,0	DEFERRED REPAIRS - SQUADRON #1
00010170	272				OSCU1	EU	10,0	UNRESOLVED DISCREPANCIES - SQUADRON #1
00010180	273				TYPE1	EU	5,0	A/C TYPE - SQUADRON #1
00010190	274				SGDR1	EU	6,0	A/C THIS SQUADRON - SQUADRON #1
00010200	275				MPAR1	EU	7,0	REPAIRS - SQUADRON #1
00010210	276				UPC1	EU	8,0	UPC A/C - SQUADRON #1
00010220	277				OSCF1	EU	1,0	INFLIGHT DISCREPANCIES - SQUADRON #1
00010230	278				OPC11	EU	2,0	UPC A/C AVAILABLE AT START OF FLYING DAY - SQUADRON #1
00010240	279							
00010250	280				TNMC1	EU	3,0	NMC TIME DISTRIBUTION - SQUADRON #1

LINE# STMT# IF 00 2LOC49 9LOC OPERATION A,B,C,D,E,F,G COMMENTS

```

0001260 261 UNSQ1 EQU 9.T UNSCHED. MAINT. QUEUE TIME - SQUADRON #1
0001270 262 MISK1 EQU 1.MA MISSION MATRIX - SQUADRON #1
0001280 263 UTIL1 EQU 2.MA A/C DISCREPANCY/UTILIZATION SUMMARY -
      * SQUADRON #1
0001290 264
0001300 265 MKCD1 EQU 3.MA URG. MDRK CENTER STATISTICS - SQUADRON #1
0001310 266 AMR1 EQU 4.MA AMM REASON SUMMARY - SQUADRON #1
0001320 267 SYST1 EQU 5.MA SYSTEM MATRIX - SQUADRON #1
0001330 268 MCAPI EQU 6.MA A/C SCIR MISSION CAPABILITY - SQUADRON #1
0001340 269 SCIMI EQU 7.MA SCIR IMPACT BY EUC - A/C TYPE #1
0001350 290 CFR14 EQU 8.MA CUM. F.R. - A/C TYPE #1 - GROUND CREW
0001360 291 CF415 EQU 9.MA CUM. F.R. - A/C TYPE #1 - AIR CREW
0001370 292 CF416 EQU 10.MA CUM. F.R. - A/C TYPE #1 - DAILY
0001380 293 CFR17 EQU 11.MA CUM. F.R. - A/C TYPE #1 - CALENDAR/PHASED
0001390 294 CFR19 EQU 12.MA CUM. F.R. - A/C TYPE #1 - IN FLIGHT
0001400 295 OPS EQU 1.MH DAILY OPERATIONS MATRIX
0001410 296 LTMC EQU 3.MH LAUNCH TIMES - CYCLIC OPS
0001420 297 PMM1 EQU 14.MH A/C PREP. & INSP. MATRIX - SQUADRON #1
0001430 298 INEV1 EQU 15.MH INSPECTIONS BY EVENT - SQUADRON #1
0001440 299 PHAS1 EQU 16.MH PHASED INSPECTION DEFINITION - SQUADRON #1
0001450 300 CAL11 EQU 16.MH CALENDAR INSP. DEFINITION - SQUADRON #1
0001460 301 LTMI EQU 19.MH LAUNCH TIMES - NON-CYCLIC OPS - SDRN. #1
      *

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LIST

UNLIST

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0001470 302
0001480 303
0001490 304
0001500 305
0001510 306
0001520 307
0001530 308
0001540 309
0001550 310
0001560 311
0001570 312
0001580 313
0001590 314
0001600 315
0001610 316
0001620 317
0001630 318
0001640 319
0001650 320
0001660 321
0001670 322
0001680 323
0001690 324
0001700 325
0001710 326
0001720 327
0001730 328
0001740 329
0001750 330
0001760 331
0001770 332
0001780 333
0001790 334
0001800 335
0001810 336

```

DESCRIPTION OF CASE ENTITIES

MATRICES

***** NOTE: ALL MATRICES ARE CASE INPUTS UNLESS OTHERWISE INDICATED *****

EXEC MATRIX MM,12,1 EXECUTIVE CONTROL MATRIX

```

* KJM 1 = NUMBER OF SQUADRONS
* KJM 2 = MODEL OPERATIONAL CYCLE (DAYS)
* KJM 3 = MODEL OUTPUT CYCLE (DAYS)
* IF UNDLFV, N) INTERMEDIATE OUTPUT WILL BE PRODUCED
* KJM 4 = LAUNCH OPERATIONS MODE
      * 1 = CYCLIC, E.G. CARRIER
      * 2 = NON-CYCLIC, E.G. SHORE-BASED
* KJM 5 = MINIMUM RESUPPLY DELAY (DAYS)
* KJM 6 = AVERAGE RESUPPLY (DAYS)
* KJM 7 = NUMBER OF DIFFERENT AIRCRAFT TYPES BEING SIMULATED
* KJM 8 = NOT USED

```

***** THE FOLLOWING TWO KJMS APPLY TO CYCLIC OPS ONLY *****

```

* KJM 9 = LEAD TIME (CLICK UNITS) FROM START OF FLIGHT QUARTERS TO FIRST
      * LAUNCH OF THE DAY
* KJM 10 = TIME (CLICK UNITS) FROM FINAL RECOVERY OF THE DAY TO END OF
      * FLIGHT QUARTERS
* KJM 11 = MINIMUM ORDER & SHIPPING TIME (DAYS) FOR CONSUMED PCM ITEMS
* KJM 12 = AVERAGE ORDER & SHIPPING TIME (DAYS) FOR CONSUMED PCM ITEMS

```


LINE# STMT# IF GO BLUCL# *LOC OPERATION A,B,C,D,E,F,G COMMENTS

```

00002380 393 * ROM 9 = MAXIMUM NUMBER OF A/C PERMITTED SIMULTANEOUSLY IN SCHEDULED
00002390 394 * MAINTENANCE. IF 0, NO LIMITATION.
00002400 395 * ROM 10 = TIME (HOURS) UNTIL FIRST CALENDAR INSPECTION (APPLICABLE ONLY
00002410 396 * TO CALENDAR MAINTENANCE CONCEPT)
00002420 397 * ROM 11 = MA INDEX - JKG. WORK CENTER STATISTICS (WKCU_)
00002430 398 * ROM 12 = MH INDEX - INSPECTIONS BY EVENT (INLY_)
00002440 399 * ROM 13 = MX INDEX - MISSION STATISTICS (MISX_)
00002450 400 * ROM 14 = MA INDEX - A/C UTILIZATION SUMMARY (UTIL_)
00002460 401 * ROM 15 = MX INDEX - AMM REASON SUMMARY
00002470 402 * ***** NOTE: THE FOLLOWING TWO ROMS APPLY TO CYCLIC OPS ONLY:
00002480 403 * ROM 16 = AVERAGE RESPOT TIME (CLOCK UNITS)
00002490 404 * ROM 17 = MINIMUM RESPOT TIME (CLOCK UNITS)
00002500 405 * ROM 18 = MEAN SUPPLY RESPONSE TIME (CLOCK UNITS) - NORMAL MAINTENANCE
00002510 406 * ROM 19 = MEAN SUPPLY RESPONSE TIME (CLOCK UNITS) - IN-CYCLE MAINT.
00002520 407 * (CYCLIC OPS ONLY)
00002530 408 * ROM 20 = INITIALLY OUTFITTED SPARES SWITCH
00002540 409 * 0 = INITIALLY OUTFITTED SPARES DETERMINED BY ROM 21 OF THIS
00002550 410 * MATRIX.
00002560 411 * 1 = INITIALLY OUTFITTED SPARES ENTERED IN COLUMN #1 OF
00002570 412 * SUBSYSTEM MATRICES EITHER MANUALLY OR BY USER-FURNISHED
00002580 413 * LOADING PROGRAM.
00002590 414 * ROM 21 = INITIALLY OUTFITTED SPARES PER WRA (ASSUMING SAME FOR
00002600 415 * EACH WRA - ROM 2C=G)
00002610 416 * ROM 22 = MX INDEX - SCIR MISSION CAPABILITY SUMMARY (MCAP_)
00002620 417 * ROM 23 = MH INDEX - LAUNCH TIMES (LTM_) - (NON-CYCLIC OPS ONLY)
00002630 418 * ROM 24 = LEAD TIME (CLOCK UNITS) FROM A/C PREPARATION CALL TO SCHEDULE
00002640 419 * LAUNCH
00002650 420 * ROM 25 = LEAD TIME (CLOCK UNITS) FROM DAILY INSPECTION CALL TO FIRST
00002660 421 * LAUNCH OF THE DAY
00002670 422 *
00002680 423 *
00002690 424 *
00002700 425 * TYPE MATRIX MH, #1, NCOLS A/C TYPE/MODEL/SERIES DEFINITION
00002710 426 * NCOLS = NUMBER OF DIFFERENT T/M/S AIRCRAFT BEING SIMULATED
00002720 427 *
00002730 428 * ROM 1 = TOTAL NUMBER OF SUBSYSTEM MATRICES THIS A/C TYPE
00002740 429 * ROM 2 = MX INDEX - SYSTEM (SYST_)
00002750 430 * ROM 3 = MX INDEX - SCIR IMPACT SUMMARY BY EDC (SCIM_)
00002760 431 * ROM 4 = MH INDEX - A/C PREPARATION & INSPECTION (PMH_)
00002770 432 * ROM 5 = RUN-TIME MODIFIER FLAG (SEE MMSYST_, COLS 14-21)
00002780 433 * 0 = MODIFIER OPTION NOT OPERATIVE
00002790 434 * 1 = OPTION OPERATIVE
00002800 435 * ROM 6 = SCHEDULED MAINTENANCE CONCEPT
00002810 436 * 1 = CALENDAR INSPECTION
00002820 437 * 2 = PHASED INSPECTION
00002830 438 * ROM 7 = MH INDEX - SCHEDULED INSPECTION (CALL_U2 PHAS_)
00002840 439 * ***** THE FOLLOWING TWO ROMS APPLY TO CALENDAR INSPECTION
00002850 440 * ROM 8 = CALENDAR INSPECTION INTERVAL - WEEKS
00002860 441 * ROM 9 = AVERAGE DURATION OF CALENDAR INSPECTION - HOURS
00002870 442 * ***** THE FOLLOWING THREE ROMS APPLY TO PHASED INSPECTION
00002880 443 * ROM 10 = PHASED INSPECTION INTERVAL - FLIGHT HOURS
00002890 444 * ROM 11 = PERCENT TOLERANCE IN PHASED INSPECTION INTERVAL
00002900 445 * ROM 12 = NUMBER OF PHASES IN PHASED INSPECTION CYCLE
00002910 446 * ROM 13 = DAILY INSPECTION NON-FLYING TIME LIMIT (HOURS)
00002920 447 * ROM 14 = MA INDEX - CUMULATIVE MAINT. ACTION RATES - GROUND CREW
00002930 448 * INSPECTION

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GPSS/M V4/370 RELEASE 1.0 (AY142) 10 DEC 82 101401JA FILE: ATENCUPS

LINE# STATE IF GO BLUCLD WLOC OPERATION A.B.C.D.E.F.G COMMENTS

00002940 449 * RCM 15 = MX INDEX - CUMULATIVE MAINT. ACTION RATES - AIR CREW
00002950 450 * INSPECTION
00002960 451 * RCM 16 = MX INDEX - CUMULATIVE MAINT. ACTION RATES - DAILY INSPECTION
00002970 452 * RCM 17 = MX INDEX - CUMULATIVE MAINT. ACTION RATES - CALENDAR/PHASED
00002980 453 * INSPECTION
00002990 454 * RCM 18 = MX INDEX - CUMULATIVE MAINT. ACTION RATES - IN FLIGHT
00003000 455 * RCM 19 = AVERAGE DURATION (CLOCK UNITS) OF POST-MAINTENANCE CHECK
00003010 456 * FLIGHTS
00003020 457 * RCM 20 = NUMBER OF PRIMARY MISSION TYPES THIS TMS A/C
00003030 458 * RCM 21-40 = EDC MISSION CODES FOR PRIMARY MISSION TYPES 1-20
00003040 459 * RESPECTIVELY
00003050 460 * EDC MISSION CODE ENTRY
00003060 461 * A 1
00003070 462 * B 2
00003080 463 * C 3
00003090 464 * D 4
00003100 465 * E 5
00003110 466 * F 6
00003120 467 * G 7
00003130 468 * H 8
00003140 469 * J 10
00003150 470 * K 11
00003160 471 * L 12
00003170 472 * RCM 41 = TOTAL NUMBER OF VALID EDC'S (NOT INCLUDING 283-293)
00003180 473 *
00003190 474 *
00003200 475 *
00003210 476 *
00003220 477 *
00003230 478 *
00003240 479 *
00003250 480 * RCM 1 = CURRENT DISCREPANCIES THIS SQUADRON
00003260 481 * RCM 2 = A/C IN MAINTENANCE THIS SQUADRON
00003270 482 * RCM 3-5 = NOT USED
00003280 483 * RCM 6 = A/C TYPE
00003290 484 * RCM 7 = SQUADRON IDENT.
00003300 485 * RCM 8 = CURRENT REPAIRS THIS SQUADRON
00003310 486 * RCM 9 = UPC A/C THIS SQUADRON
00003320 487 * RCM 10-12 = NOT USED
00003330 488 * RCM 13 = WORK CENTER 110 (AO) - POWER PLANT
00003340 489 * RCM 14 = WORK CENTER 120 (AM) - AIRFRAME
00003350 490 * RCM 15 = WORK CENTER 130 (AME) - AME/P.M.
00003360 491 * RCM 16 = WORK CENTER 140 - CHECK CREW
00003370 492 * RCM 17 = WORK CENTER 150 - TARGET
00003380 493 * RCM 18 = WORK CENTER 210 (AT) - ELECTRONICS
00003390 494 * RCM 19 = WORK CENTER 220 (AE) - ELECTRICAL
00003400 495 * RCM 20 = WORK CENTER 230 (AO) - ORUNANCE
00003410 496 * RCM 21 = WORK CENTER 240 - PHOTO/RECON
00003420 497 * RCM 22 = WORK CENTER 250 (AO) - FIRE CONTROL
00003430 498 * RCM 23 = WORK CENTER 300 - LINE
00003440 499 *
00003450 500 *
00003460 501 *
00003470 502 *
00003480 503 *
00003490 504 *

GRP MATRIX MM,26,NCULS LOOKUP MATRIX - GROUPS
NCULS = NUMBER OF SQUADRONS BEING SIMULATED

CMX MATRIX MM,15,NCULS LOOKUP MATRIX - USER CHAINS
NCULS = NUMBER OF SQUADRONS BEING SIMULATED
RCM 1 = CURRENT DISCREPANCIES THIS SQUADRON

LINE# STATE IF DO BLOCK# QLOC OPERATION A,B,C,D,E,F,G COMMENTS

00003350 505 * ROM 2 = A/C IN MAINTENANCE
 00003351 506 * ROMS 3-5 = NOT USED
 00003352 507 * ROM 6 = A/C NOT IN MAINTENANCE
 00003353 508 * ROM 7 = NOT USED
 00003354 509 * ROM 8 = A/C AWAITING LINE INSPECTION
 00003355 510 * ROM 9 = REPAIRS IN WORK
 00003356 511 * ROM 10 = RLPAIRS AW
 00003357 512 * ROM 11 = DEFERRED RLPAIRS
 00003358 513 * ROM 12 = RLPAIRS AW
 12/10/62 514 * ROM 13 = UNRESOLVED DISCREPANCIES
 00003360 515 *
 00003361 516 *
 00003362 517 *
 00003363 518 *
 00003364 519 *
 00003365 520 *
 00003366 521 *
 00003367 522 *
 00003368 523 *
 00003369 524 *
 00003370 525 *
 00003371 526 *
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 00003418 573 *
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 00003422 577 *
 00003423 578 *
 00003424 579 *
 00003425 580 *
 00003426 581 *
 00003427 582 *
 00003428 583 *
 00003429 584 *
 00003430 585 *
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 00003500 655 *

00003501 656 *
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 00003503 658 *
 00003504 659 *
 00003505 660 *

LINE# STATE IF DO BLOCK# LOC OPERATION A,B,C,D,E,F,G COMMENTS

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00004060 561 * ROWS 23-25 - NOT USED
00004070 562 * ROW 26 = 2ND SHIFT MANPOWER (X10) - WORK CENTER 110
00004080 563 * ROW 27 = 2ND SHIFT MANPOWER (X10) - WORK CENTER 120
00004090 564 * ROW 28 = 2ND SHIFT MANPOWER (X10) - WORK CENTER 130
00004100 565 * ROW 29 = 2ND SHIFT MANPOWER (X10) - WORK CENTER 140
00004110 566 * ROW 30 = 2ND SHIFT MANPOWER (X10) - WORK CENTER 150
00004120 567 * ROW 31 = 2ND SHIFT MANPOWER (X10) - WORK CENTER 210
00004130 568 * ROW 32 = 2ND SHIFT MANPOWER (X10) - WORK CENTER 220
00004140 569 * ROW 33 = 2ND SHIFT MANPOWER (X10) - WORK CENTER 230
00004150 570 * ROW 34 = 2ND SHIFT MANPOWER (X10) - WORK CENTER 240
00004160 571 * ROW 35 = 2ND SHIFT MANPOWER (X10) - WORK CENTER 250
00004170 572 * ROW 36 = 2ND SHIFT MANPOWER (X10) - WORK CENTER 300
00004180 573 * ROWS 37-39 - NOT USED
00004190 574 * ROW 40 = A/C IN FLIGHT
00004200 575 * ROW 41 = HANGAR DECK MAINTENANCE SPACES THIS SQUADRON (CYCLIC OPS ONLY)
00004210 576
00004220 577
00004230 578
00004240 579
00004250 580
00004260 581
00004270 582
00004280 583
00004290 584
00004300 585
00004310 586
00004320 587
00004330 588
00004340 589
00004350 590
00004360 591
00004370 592
00004380 593
00004390 594
00004400 595
00004410 596
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00004470 602
00004480 603
00004490 604
00004500 605
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00004550 610
00004560 611
00004570 612
00004580 613
00004590 614
00004600 615
00004610 616

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* TAB MATRIX MM,6,NCOLS LOOKUP MATRIX - TABLES
 * NCOLS = NUMBER OF SQUADRONS BEING SIMULATED
 * ROW 1 = INFLIGHT DISCREPANCY DISTRIBUTION
 * ROW 2 = UPC A/C AVAILABLE AT START OF FLYING DAY
 * ROW 3 = MMC TIME
 * ROW 4 = UNSCHEDULED MAINTENANCE QUEUE TIME
 * APLMN MATRIX MB,NROWS,30 DAILY AIR PLAN
 * M = SQUADRON I.D.
 * N = AIR PLAN I.D. N MAY RANGE FROM 0 TO 9 AND THENCE FROM A TO Z,
 * MAKING A MAXIMUM TOTAL OF 36 DIFFERENT AIR PLANS FOR EACH SQUADRON.
 * NROWS = NUMBER OF LAUNCH EVENTS
 * ROW 1 = DATA FOR LAUNCH EVENT NO. 1
 * ROW 2 = DATA FOR LAUNCH EVENT NO. 2
 * ETC.
 * COLS 1-5 = MISSION TYPE IN ORDER OF INCREASING PRIORITY
 * COLS 6-10 = MISSION DURATION ASSOCIATED WITH COLS 1-5 RESPECTIVELY
 * IF POSITIVE NUMBER, DURATION IS IN CLOCK UNITS
 * (USE FOR NON-CYCLIC OPS AND FOR THE LAST LAUNCH OF THE DAY FOR CYCLIC OPS)
 * IF NEGATIVE NUMBER = DURATION IS IN DECK CYCLES
 * (USE ONLY FOR CYCLIC OPS FOR LAUNCHES OTHER THAN THE LAST LAUNCH OF THE DAY)
 * COLS 11-15 = NUMBER OF ALERT A/C ASSOCIATED WITH COLS 1-5 RESPECTIVELY
 * COLS 16-20 = NUMBER OF STANDBY A/C ASSOCIATED WITH COLS 1-5 RESPECTIVELY
 * COLS 21-25 = MINIMUM NUMBER OF A/C TO AVOID MISSION CANCELLATION ASSOCIATED WITH COLS 1-5 RESPECTIVELY
 * COLS 26-30 = LAUNCH WINDOW IN CLOCK UNITS ASSOCIATED WITH COLS 1-5 RESPECTIVELY (USE FOR NON-CYCLIC OPS ONLY)

GPSS/M VM/370 RELEASE 1.0 (AY142) 10 DEC 92 10:40:04 FILE: ATENCOPS

LINE#	STMT#	IF DO	LOC	OPERATION	ALOG	NCOLS	COMMENTS
00000020	617			ELTIME MATRIX	MM,NROWS,NCOLS		LAUNCH TIMES - CYCLIC UPS
00000030	618			* NROWS = MAXIMUM NUMBER OF DAILY LAUNCH EVENTS + 1			
00000040	619			* NCOLS = MODEL OPERATIONAL CYCLE (DAYS)			
00000050	620						
00000060	621			* ROW 1 = TOTAL LAUNCH EVENTS THIS DAY			
00000070	622			**** NOTE: ALL LAUNCH TIMES ARE EXPRESSED AS MILITARY TIME (E.G.			
00000080	623			NUN = 1233).			
00000090	624			**** ALSO NOTE: USE 2400 FOR MIDNIGHT. IF THE FLYING DAY EXTENDS PAST			
00000100	625			MIDNIGHT, ADD 2400 TO TIMES OF POST-MIDNIGHT LAUNCHES (E.G. 0130			
00000110	626			= 2533).			
00000120	627			* ROW 2 = TIME OF DAY OF LAUNCH EVENT NO. 1			
00000130	628			* ROW 3 = TIME OF DAY OF LAUNCH EVENT NO. 2			
00000140	629			* ROW 4 = TIME OF DAY OF LAUNCH EVENT NO. 3			
00000150	630			* ETC.			
00000160	631						
00000170	632						
00000180	633						
00000190	634			ELTIME MATRIX	MM,NROWS,NCOLS		LAUNCH TIMES BY SQUADRON -
00000200	635						NON-CYCLIC UPS
00000210	636			* FORMAT SAME AS FOR MMSLTIME			
00000220	637						
00000230	638						
00000240	639						
00000250	640						
00000260	641			ELTIME MATRIX	MM,NROWS,3		A/C PREPARATION & INSPECTION
00000270	642			* NROWS = NUMBER OF PRIMARY MISSION TYPES + 5 THIS A/C TYPE			
00000280	643						
00000290	644			* COL 1 = WORK CENTER			
00000300	645			* COL 2 = MANPOWER (X10) REQUIRED			
00000310	646			* COL 3 = AVERAGE EMT REQUIRED			
00000320	647						
00000330	648			* ROW 1 = GROUND CREW (PREFLIGHT)			
00000340	649			* ROW 2 = AIR CREW INSPECTION			
00000350	650			* ROW 3 = GROUND CREW (TURNAROUND)			
00000360	651			* ROW 4 = DAILY INSPECTION			
00000370	652			* ROW 5 = CALENDAR INSPECTION			
00000380	653			* ROW 6 = ORDNANCE LOAD - MISSION TYPE #1			
00000390	654			* ROW 7 = ORDNANCE LOAD - MISSION TYPE #2			
00000400	655			* ETC			
00000410	656						
00000420	657						
00000430	658						
00000440	659			ELTIME MATRIX	MM,9,2		INSPECTIONS & PREPARATIONS BY EVENT
00000450	660			* COL 1 = PRIORITY FOR LINE INSPECTION (DAILY, PREFLIGHT, TURNAROUND)			
00000460	661			1 = HIGHEST, 3 = LOWEST			
00000470	662			* COL 2 = NUMBER OF TIMES THIS TYPE EVENT OCCURRED (OUTPUT)			
00000480	663						
00000490	664			* ROW 1 = LOAD ORDNANCE			
00000500	665			* ROW 2 = GROUND CREW INSPECTION (PREFLIGHT)			
00000510	666			* ROW 3 = AIRCREW INSPECTION			
00000520	667			* ROW 4 = GROUND CREW INSPECTION (TURNAROUND)			
00000530	668			* ROW 5 = DAILY INSPECTION			
00000540	669			* ROW 6 = CALENDAR/PHASED INSPECTION			
00000550	670			* ROW 7 = RECONFIGURE ORDNANCE (SUBSET OF ROW 1)			
00000560	671			* ROW 8 = UNSCHEDULED MAINTENANCE (EXCLUDING CANNIBALIZATION)			
00000570	672			* ROW 9 = CANNIBALIZATION			

GPSS/M V4/37, KEE:ASE 1.0 (AY162) 1, DEC 92 10:40:14 FILE: A7ENCUPS

[illegible]

* CALL_MATRIX	MH,11,3	CALNDAR INSPECTION
* COL 1 = WORK CENTER I.O.		
* COL 2 = MANPOWER REQUIRED (X1)		
* COL 3 = AVERAGE EMT (CLOCK UNITS)		
* PHAS_MATRIX	MH,19,21	PHASED INSPECTION DEFINITION
* ROW 1-11, COL 1 = ORGANIZATIONAL WORK CENTER I.O.		
* ROW 1-11, COL 2-11 = AVERAGE MANPOWER (X1) FOR PHASES 1-10 RESPECTIVELY		
* ROW 1-11, COL 12-21 = AVERAGE EMT (CLOCK UNITS) FOR PHASES 1-10 RESPECTIVELY		
* ROW 12, COL 2-11 = MINIMUM A/C INSPECTION TIME (CLOCK UNITS) FOR PHASES 1-10 RESPECTIVELY		
* ROW 13 - NOT USED		
* ROW 14, COL 2-11 = CHECK FLIGHT REQUIREMENT FOR PHASES 1-10 RESPECTIVELY. (1 = CHECK FLIGHT REQUIRED THIS PHASE)		
* MISS_MATRIX	MH,21,NCLIS	MISSION STATISTICS (OUTPUT)
* NCLUS = NUMBER OF PRIMARY MISSION TYPES + 2 THIS A/C TYPE		
* COLS = PRIMARY MISSION TYPES. NEXT TO LAST COL = CHECK FLIGHT LAST COL = TOTALS		
* ROW 1 = NUMBER OF MISSIONS CALLED		
* ROW 2 = NUMBER OF TIMES MISSION REQUIREMENTS NOT MET		
* ROW 3 = NUMBER OF TIMES NO A/C AVAILABLE WHEN CALLED		
* ROW 4 = NUMBER OF SORTIES CALLED		
* ROW 5 = NUMBER OF A/C MISSION CAPABLE WHEN CALLED		
* ROW 6 = NUMBER OF SORTIES LAUNCHED		
* ROW 7 = NUMBER OF SORTIES COMPLETED WITHOUT INFLIGHT MAINT. ACTION TOTAL FLYING TIME:		
* ROW 8 =		
* ROW 9 = TIMES NO STANDBY A/C AVAILABLE WHEN CALLED		
* ROW 10 = MISSIONS FLOWN WITH REDUCED NUMBER OF A/C		
* ROW 11 = NUMBER OF SORTIES FLOWN BY STANDBY A/C		
* ROW 12 = MISSIONS CANCELLED - INSUFFICIENT A/C AVAILABLE		
* ROW 13 = NUMBER OF GROUND ABORTS		
* ROW 14 = NUMBER OF AIR ABORTS		
* ROW 15 = NUMBER OF A/C UIC AT RECOVERY		
* ROW 16 = NUMBER OF A/C PAC AT RECOVERY		
* ROW 17 = NUMBER OF A/C PAC AT RECOVERY		
* ROW 18 = NUMBER OF A/C PAC AT RECOVERY		
* ROW 19 = NUMBER OF A/C UIC AT LAUNCH		
* THE FOLLOWING TAGS APPLY ONLY TO NON-CYCLOC OPS		
* ROW 20 = NUMBER IF DELAYED LAUNCH EVENTS		
* ROW 21 = NUMBER IF MISSIONS CANCELLED DUE TO EXPIRATION OF LAUNCH WINDOW		

LINE# STATE IF DO NLNCR# PLUC OPERATION A,B,C,D,E,F,G COMMENTS

UTIL_MATRIX MX,NROWS,13 A/C UTILIZATION SUMMARY (OUTPUT)

* NROWS = NUMBER OF A/C + 1 THIS SQUADRON

* ROWS = INDIVIDUAL A/C

* LAST ROW = TOTALS

* COL 1 = A/C TAIL NUMBER

* COL 2 = FMCM TIME

* COL 3 = FMCS TIME

* COL 4 = PMCM TIME

* COL 5 = PMCS TIME

* COL 6 = NMCM (SCH) TIME

* COL 7 = NMCM (UNSCH) TIME

* COL 8 = NMCS TIME

* COL 9 = EIS TIME

* COL 10 = FLIGHT TIME

* COL 11 = NUMBER OF FLIGHTS

* COL 12 = SCIR TIME - MAINTENANCE

* COL 13 = SCIR TIME - SUPPLY

*

*

*

* MCRP_MATRIX MX,NROWS,13 MISSION CAPABILITY SUMMARY (OUTPUT)

* NROWS = NUMBER OF A/C + 1 THIS SQUADRON

* LAST ROW = TOTALS

* COL 1 = A/C TAIL NUMBER

* COL 2 = MISSION CAPABILITY TIME = MISSION CODE B

* COL 3 = MISSION CAPABILITY TIME = MISSION CODE C

* COL 4 = MISSION CAPABILITY TIME = MISSION CODE D

* COL 5 = MISSION CAPABILITY TIME = MISSION CODE E

* COL 6 = MISSION CAPABILITY TIME = MISSION CODE F

* COL 7 = MISSION CAPABILITY TIME = MISSION CODE G

* COL 8 = MISSION CAPABILITY TIME = MISSION CODE H

* COL 9 = MISSION CAPABILITY TIME = MISSION CODE J

* COL 10 = MISSION CAPABILITY TIME = MISSION CODE K

* COL 11 = MISSION CAPABILITY TIME = MISSION CODE L

* COL 12 = MISSION CAPABILITY TIME = MISSION CODE Z

* COL 13 = CURRENT MISSION CAPABILITY

*

*

*

* MCRP_MATRIX MX,NROWS,41 A/C ADM REASON SUMMARY (OUTPUT)

* NROWS = NUMBER OF A/C + 1 THIS SQUADRON

* ROWS = INDIVIDUAL A/C

* LAST ROW = TOTALS

* COL 1 = A/C TAIL NUMBER

* COL 2 = NMCM/ADM-1 (USL)

* COL 3 = NMCM/ADM-2 (SPALLS/FACILITIES)

* COL 4 = NMCM/ADM-3 (BACKLOG)

* COL 5 = NMCM/ADM-4 (OFF-SHIFT HOURS)

* COL 6 = NMCM/ADM-5 (OTH R)

* COL 7 = NMCM/ADM-6 (AWAITING AIRCRAFT MAINTENANCE)

* COL 8 = NMCM/ADM-7 (FLIGHT OPERATIONS/OPERATIONAL UTILIZATION)

00005700 729

00005701 730

00005702 731

00005703 732

00005704 733

00005705 734

00005706 735

00005707 736

00005708 737

00005709 738

00005710 739

00005711 740

00005712 741

00005713 742

00005714 743

00005715 744

00005716 745

00005717 746

00005718 747

00005719 748

00005720 749

00005721 750

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00005736 765

00005737 766

00005738 767

00005739 768

00005740 769

00005741 770

00005742 771

00005743 772

00005744 773

00005745 774

00005746 775

00005747 776

00005748 777

00005749 778

00005750 779

00005751 780

00005752 781

00005753 782

00005754 783

00005755 784

[illegible]

765	* COL 9 =	VMCM5/AM-3	(AWAITING OTHER SHOPS OR MAINTENANCE ACTIONS)
766	* COL 10 =	NPCM5/AM-1	(COMPUTER GENERATED)
767	* COL 11 =	TOTAL VMCM5	ELAPSED TIME
768	* COL 12 =	NPCMU/AM-1	(GSE)
769	* COL 13 =	NPCMU/AM-2	(SPACES/FACILITIES)
770	* COL 14 =	NMCMJ/AM-3	(BACKLOG)
771	* COL 15 =	NMCMJ/AM-4	(OFF-SHIFT HOURS)
772	* COL 16 =	NMCMJ/AM-5	(OTHER)
773	* COL 17 =	NMCMJ/AM-6	(AWAITING AIMD MAINTENANCE)
774	* COL 18 =	NPCMU/AM-7	(FLIGHT OPERATIONS/OPERATIONAL UTILIZATION)
775	* COL 19 =	NMCMJ/AM-8	(AWAITING OTHER SHOPS OR MAINTENANCE ACTIONS)
776	* COL 20 =	NMCMJ/AM-9	(COMPUTER GENERATED)
777	* COL 21 =	TOTAL VMCMJ	ELAPSED TIME
778	* COL 22 =	PHCM/AM-1	(GSE)
779	* COL 23 =	PHCM/AM-2	(SPACES/FACILITIES)
800	* COL 24 =	PHCM/AM-3	(BACKLOG)
801	* COL 25 =	PHCM/AM-4	(OFF-SHIFT HOURS)
802	* COL 26 =	PHCM/AM-5	(OTHER)
803	* COL 27 =	PHCM/AM-6	(AWAITING AIMD MAINTENANCE)
804	* COL 28 =	PHCM/AM-7	(FLIGHT OPERATIONS/OPERATIONAL UTILIZATION)
805	* COL 29 =	PHCM/AM-8	(AWAITING OTHER SHOPS OR MAINTENANCE ACTIONS)
806	* COL 30 =	PHCM/AM-9	(COMPUTER GENERATED)
807	* COL 31 =	TOTAL PHCM	ELAPSED TIME
808	* COL 32 =	FMCN/AM-1	(GSE)
809	* COL 33 =	FMCN/AM-2	(SPACES/FACILITIES)
810	* COL 34 =	FMCN/AM-3	(BACKLOG)
811	* COL 35 =	FMCN/AM-4	(OFF-SHIFT HOURS)
812	* COL 36 =	FMCN/AM-5	(OTHER)
813	* COL 37 =	FMCN/AM-6	(AWAITING AIMD MAINTENANCE)
814	* COL 38 =	FMCN/AM-7	(FLIGHT OPERATIONS/OPERATIONAL UTILIZATION)
815	* COL 39 =	FMCN/AM-8	(AWAITING OTHER SHOPS OR MAINTENANCE ACTIONS)
816	* COL 40 =	FMCN/AM-9	(COMPUTER GENERATED)
817	* COL 41 =	TOTAL FMCN	ELAPSED TIME

WORKED - MATRIX MX.17.43 DRG. WORK CENTER STATISTICS (OUTPUT)

***** NOTE: DOES NOT INCLUDE ITEMS CURRENTLY IN PROCESS

• KJWS 1-13 - INDIVIDUAL WORK CENTERS

4 KCM 17 = TLTALS

* COL 1 = WGRK CENTER I.D.
 * COLS 2-3 NOT USED
 * COL 4 = UNSCHED. MAINT. ACTIONS (EXCLUDING CANNIBALIZATION REMOVALS)
 * COL 5 = CANNIBALIZATION REMOVALS
 * COL 6 = TOTAL UNSCHED. MAINTENANCE ACTIONS
 * COL 7 = SUPPORT ACTIONS, OPERATIONAL
 * COL 8 = SUPPORT ACTIONS, INSPECTION
 * COL 9 = SUPPORT ACTIONS, OTHER
 * COL 10 = TOTAL SUPPORT ACTIONS
 * COL 11 = CALENDAR OR PHASED INSPECTIONS
 * COL 12 = NOT USED
 * COL 13 = TOTAL ITEMS PROCESSED
 * COL 14 = DIRECT MHM (AIG) - UNSCHED MAINT. (EXCLUDING CANNIBALIZATION REMOVALS)
 * COL 15 = DIRECT MHM (AIG) - CANNIBALIZATION REMOVALS

LINE# STATE IF DO BLOCK# LOC OPERATION A,B,C,D,E,F,G COMMENTS

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00000600 041 * COL 16 = DIRECT MMH (X10) - TOTAL UNSCHEDULED MAINTENANCE
00000600 042 * COL 17 = DIRECT MMH (X10) - SUPPORT ACTIONS, OPERATIONAL
00000600 043 * COL 18 = DIRECT MMH (X10) - SUPPORT ACTIONS, INSPECTION
00000600 044 * COL 19 = DIRECT MMH (X10) - SUPPORT ACTIONS, OTHER
00000600 045 * COL 20 = DIRECT MMH (X10) - TOTAL SUPPORT ACTIONS
00000600 046 * COL 21 = DIRECT MMH (X10) - CALENDAR OR PHASED INSPECTIONS
00000600 047 * COL 22 = NOT USED
00000600 048 * COL 23 = TOTAL DIRECT MMH (X10)
00000600 049 *
00000600 050 *
00000600 051 *
00000600 052 *
00000600 053 *
00000600 054 *
00000600 055 *
00000600 056 *
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00000600 099 *
00000600 100 *

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AIMD MATRIX MA,33,9 AIMD STATISTICS (OUTPUT)
 ***** NOTE: DOES NOT INCLUDE ITEMS CURRENTLY IN PROCESS
 * ROWS 1-27 = INDIVIDUAL WORK CENTERS
 * ROW 30 = TOTALS
 * COL 1 = WORK CENTER I.D.
 * COLS 2-3 NOT USED
 * COL 4 = ITEMS HAVING NO REPAIR REQUIRED
 * COL 5 = ITEMS REPAIRED
 * COL 6 = ITEMS BCM 1-8
 * COL 7 = ITEMS BCM 9
 * COL 8 = TOTAL ITEMS PROCESSED
 * COL 9 = TOTAL DIRECT MMH (X10)
 INITIAL MMSAIMD(1,1),410/MMSAIMD(2,1),420/MMSAIMD(3,1),430
 INITIAL MMSAIMD(4,1),440/MMSAIMD(5,1),450/MMSAIMD(6,1),460
 INITIAL MMSAIMD(7,1),510/MMSAIMD(8,1),520/MMSAIMD(9,1),530
 INITIAL MMSAIMD(10,1),540/MMSAIMD(11,1),550/MMSAIMD(12,1),560
 INITIAL MMSAIMD(13,1),570/MMSAIMD(14,1),580/MMSAIMD(15,1),590
 INITIAL MMSAIMD(16,1),630/MMSAIMD(17,1),640/MMSAIMD(18,1),650
 INITIAL MMSAIMD(19,1),660/MMSAIMD(20,1),670/MMSAIMD(21,1),680
 INITIAL MMSAIMD(22,1),690/MMSAIMD(23,1),710/MMSAIMD(24,1),720
 INITIAL MMSAIMD(25,1),810/MMSAIMD(26,1),820/MMSAIMD(27,1),830
 INITIAL MMSAIMD(28,1),111

***** SUBSYSTEM MATRICES *****
 * NOTE: EACH MAINTENANCE-SIGNIFICANT SUBSYSTEM IS DEFINED BY AN
 * 81-COLUMN HALFWORD MATRIX WITH ONE ROW PER MAINTENANCE-SIGNIFICANT
 * MCA.

* ROWS = INDIVIDUAL WRAS

* COLUMNS 1-42 CONTAIN INPUT DATA. COLUMNS 43-81 CONTAIN OUTPUT DATA.

* COLS 1-3

* NOTE: COLUMNS 1-3 ARE NOT USED BY THE PROGRAM. HOWEVER IT IS
 * STRONGLY RECOMMENDED THAT THESE COLUMNS BE APPROPRIATELY
 * INITIALIZED IN ORDER TO PROVIDE A VISUAL CROSS REFERENCE
 * TO THE ACTUAL MCA I.D. CODES. THE FOLLOWING SCHEME IS
 * SUGGESTED TO REPRESENT THE ALPHANUMERIC WORK UNIT CODES IN
 * THE INTEGER NUMERIC FORMAT REQUIRED BY THE GPSS PROGRAM:

```

      COL 1    COL 2    COL 3
      ASCC     UDLE     FFGG

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LINE# STATE IF DO #LOC# #LOC OPERATION A,B,C,D,E,F,G COMMENTS

* 897 * BMEKE
 * 898 * A B ARE SINGLE CHARACTER NUMERIC DIGITS CORRESPONDING TO THE
 * 899 * FIRST AND SECOND NUMERIC CHARACTERS RESPECTIVELY OF THE
 * 900 * WORK UNIT CODE.
 * 901 * CC THROUGH GG ARE TWO DIGIT NUMBERS REPRESENTING THE THIRD
 * 902 * THROUGH THE SEVENTH ALPHANUMERIC CHARACTERS RESPECTIVELY OF
 * 903 * THE WORK UNIT CODE.
 * 904 *
 * 905 *
 * 906 *
 * 907 *
 * 908 *
 * 909 *
 * 910 *
 * 911 *
 * 912 *
 * 913 *
 * 914 *
 * 915 *

MDC CHARACTER CC-GG REPRESENTATION

MDC CHARACTER	CC-GG REPRESENTATION
J	00
1	01
2	02
3	03
4	04
5	05
6	06
7	07
8	08
9	09
A	10
B	11
C	12
D	13
E	14
F	15
G	16
H	17
I	18
J	19
K	20
L	21
M	22
N	23
O	24
P	25
Q	26
R	27
S	28
T	29
U	30
V	31
W	32
X	33
Y	34
Z	35

***** NOTES FOR COLUMNS 4-9 THE MAINTENANCE ACTION PROBABILITIES ARE
 X100.00.

* COL 4 = MAINTENANCE ACTION PROBABILITY - GROUND CREW INSPECTION
 * COL 5 = MAINTENANCE ACTION PROBABILITY - AIR CREW INSPECTION
 * COL 6 = MAINTENANCE ACTION PROBABILITY - DAILY INSPECTION
 * COL 7 = MAINTENANCE ACTION PROBABILITY - CALENDAR/PHASED INSPECTION
 * COL 8 = MAINTENANCE ACTION PROBABILITY - BAD PART FROM SUPPLY
 * COL 9 = MAINTENANCE ACTION RATE (X100.00) - IN FLIGHT
 * COL 10 = NOT USED

* COL 11 = AIR ADJRT PROBABILITY (X100.00)
 * COL 12 = WORK CENTER - ORGANIZATIONAL, PRIMARY
 * COL 13 = MANPOWER (X100) - ORGANIZATIONAL, PRIMARY
 * COL 14 = SKILL CODE - ORGANIZATIONAL, PRIMARY (NOT USED THIS VERSION)
 * COL 15 = PROBABILITY (X100) OF REQUIRING ALTERNATE WORK CENTER
 * COL 16 = WORK CENTER - ORGANIZATIONAL, ALTERNATE
 * COL 17 = NOT USED

* COL 18 = SKILL CODE - ORGANIZATIONAL, ALTERNATE (NOT USED THIS
 VERSION)

* COL 19 = WORK CENTER - INTERMEDIATE
 * COL 20 = MANPOWER (X100) - INTERMEDIATE

* COL 21 = SKILL CODE - INTERMEDIATE (NOT USED THIS VERSION)
 * COL 22 = MEAN TIME TO REPAIR - ORGANIZATIONAL LEVEL
 * COL 23 = MEAN TIME TO REPAIR - INTERMEDIATE LEVEL

* COL 24 = PROBABILITY (X100) OF REMOVE AND REPLACE
 * COL 25 = PROBABILITY (X100) OF BCM, CODE 1-8
 * COL 26 = PROBABILITY (X100) OF BCM, CODE 9

* COL 27 = PROBABILITY (X100) OF NO REPAIR REQUIRED (ORG. LEVEL)
 * COL 28 = PROBABILITY (X100) OF NO REPAIR REQUIRED (INT. LEVEL)
 * COL 29 = POST-MAINTENANCE TEST FLIGHT REQUIREMENT CODE

* COL 30 = TEST FLIGHT REQUIRED
 * COL 31 = PROBABILITY (X100) OF BEING THROWN AWAY ITEM AT ORG. LEVEL

***** NOTE: THE FOLLOWING TWO COLUMNS APPLY TO CYCLIC OPS ONLY
 * COL 32 = PROBABILITY (X100) THAT REPAIR CAN BE DONE ON FLIGHT DECK
 * COL 33 = PROBABILITY (X100) THAT IN-CYCLE FLIGHT DECK MAINTENANCE
 CAN BE PERFORMED.

* COL 34 = SUBSYSTEM (YES/NO) EJC

***** THE FOLLOWING FOUR COLUMNS APPLY TO REMOVE AND REPLACE MAINTENANCE

* COL 35 =

LINE# STATE IF 00 BLUCL# *LOC OPERATION A,B,C,D,E,F,G COMMENTS

```

00007980 953      * ACTIONS
00007990 954      * COL 34 = PROBABILITY (X1 00) OF DISCREPANCY HAVING SUBSYSTEM EDC WHEN
00008000 955      * RECEIVED
00008010 956      * COL 35 = PROBABILITY (X1 00) OF DISCREPANCY HAVING AIO EDC WHEN
00008020 957      * RECEIVED
00008030 958      * COL 36 = PROBABILITY (X1 00) OF SCIR-RELATED DISCREPANCY HAVING
00008040 959      * ALTERNATE EDC IN WORK
00008050 960      * COL 37 = ALTERNATE EDC, IF ANY
00008060 961      * **** THE FOLLOWING FOUR COLUMNS APPLY TO REPAIR-14-PLACE MAINTENANCE
00008070 962      * ACTIONS
00008080 963      * COL 38 = PROBABILITY (X1 00) OF DISCREPANCY HAVING SUBSYSTEM EDC WHEN
00008090 964      * RECEIVED
00008100 965      * COL 39 = PROBABILITY (X1 00) OF DISCREPANCY HAVING AJO EDC WHEN
00008110 966      * RECEIVED
00008120 967      * COL 40 = PROBABILITY (X1 00) OF SCIR-RELATED DISCREPANCY HAVING
00008130 968      * ALTERNATE EDC IN WORK
00008140 969      * COL 41 = ALTERNATE EDC, IF ANY
00008150 970      * THESE EDC'S ARE REPRESENTED AS FOLLOWS:
00008160 971      * 1ST TWO DIGITS = MISSION IMPACT CODE (FIRST CHARACTER OF
00008170 972      * ACTUAL EDC
00008180 973      * 1 = NONE
00008190 974      * 2 = MISSION CODE B
00008200 975      * 3 = MISSION CODE C
00008210 976      * 4 = MISSION CODE D
00008220 977      * 5 = MISSION CODE E
00008230 978      * 6 = MISSION CODE F
00008240 979      * 7 = MISSION CODE G
00008250 980      * 8 = MISSION CODE H
00008260 981      * 9 = MISSION CODE J
00008270 982      * 10 = MISSION CODE K
00008280 983      * 11 = MISSION CODE L
00008290 984      * 12 = MISSION CODE Z
00008300 985      * 26 = MISSION CODE Z
00008310 986      * 3RD & 4TH DIGITS = 2ND & 3RD DIGITS RESPECTIVELY OF ACTUAL EDC
00008320 987      * EXAMPLE: 2642 = 242
00008330 988      * COL 42 = CANNIBALIZATION SUSCEPTIBILITY FLAG
00008340 989      * 1 = THIS WRA MAY NOT BE CANNIBALIZED
00008350 990      * 0 = THIS WRA MAY BE CANNIBALIZED
00008360 991      * 1 = THIS WRA MAY NOT BE CANNIBALIZED
00008370 992      * COL 43 = INITIALLY OUTFITTED SPARES
00008380 993      * COL 44 = SPARES CURRENTLY RFI
00008390 994      * COL 45 = MINIMUM SPARES RFI
00008400 995      * COL 46 = NOT AVAILABLE FOR CANNIBALIZATION FLAG (PAGE CANB)
00008410 996      * **** NOTE: COLUMNS 47-54 DO NOT INCLUDE CANNIBALIZATION REMOVALS AND
00008420 997      * REPLACEMENTS
00008430 998      * COL 47 = TOTAL DISCREPANCIES
00008440 999      * COL 48 = ORG. MAINT. ACTIONS - WHEN DISCOVERED = GROUND CREW
00008450 1000      * INSPECTION
00008460 1001      * COL 49 = ORG. MAINT. ACTIONS - WHEN DISCOVERED = AIRCREW INSPECTION
00008470 1002      * COL 50 = ORG. MAINT. ACTIONS - WHEN DISCOVERED = DAILY INSPECTION
00008480 1003      * COL 51 = ORG. MAINT. ACTIONS - WHEN DISCOVERED = CALENDAR/PHASED INSP.
00008490 1004      * COL 52 = ORG. MAINT. ACTIONS - WHEN DISCOVERED = BAD PART FROM SUPPLY
00008500 1005      * COL 53 = ORG. MAINT. ACTIONS - WHEN DISCOVERED = IN FLIGHT
00008510 1006      * COL 54 = TOTAL MAINTENANCE ACTIONS - ORGANIZATIONAL
00008520 1007      * COL 55 = TOTAL ELAPSED MAINTENANCE TIME - ORGANIZATIONAL
00008530 1008      * COL 56 = TOTAL DIRECT MAN-HOURS - ORGANIZATIONAL
00008540 1009      * COL 57 = NUMBER OF NKA MAINTENANCE ACTIONS - ORGANIZATIONAL
00008550 1010
    
```

LINE# STMT# IF DO BLOC# LOC OPERATION A,B,C,D,E,F,G COMMENTS

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00008540 1009 * COL 56 = TOTAL MAINTENANCE ACTIONS - INTERMEDIATE
00008550 1010 * COL 59 = TOTAL ELAPSED MAINTENANCE TIME - INTERMEDIATE
00008560 1011 * COL 60 = TOTAL DIRECT MAN-HOURS - INTERMEDIATE
00008570 1012 * COL 61 = NUMBER OF CANNIBALIZATION REMOVALS
00008580 1013 * COL 62 = NUMBER OF NRK ACTIONS - INTERMEDIATE
00008590 1014 * COL 63 = NUMBER OF SUPPLY ACTIONS
00008600 1015 * COL 64 = NUMBER OF TIMES SPARE NOT AVAILABLE FROM SUPPLY
00008610 1016 * COL 65 = NUMBER OF HAD PARTS RECEIVED FROM SUPPLY
00008620 1017 * COL 66 = NUMBER OF TIMES BCM, CODES 1-8
00008630 1018 * COL 67 = NUMBER OF TIMES BCM, CODE 9
00008640 1019 * COL 68 = NUMBER OF REPLACEMENTS AFTER CANNIBALIZATION
00008650 1020 * COLS 69-70 - NOT USED
00008660 1021 * COL 71 = SCIR IMPACT TIME - NMCS
00008670 1022 * COL 72 = SCIR IMPACT TIME - NMCM
00008680 1023 * COL 73 = SCIR IMPACT TIME - PMCS
00008690 1024 * COL 74 = SCIR IMPACT TIME - PMCM
00008700 1025 * COL 75 = SCIR DISCREPANCY TIME - NMCS
00008710 1026 * COL 76 = SCIR DISCREPANCY TIME - NMCM
00008720 1027 * COL 77 = SCIR DISCREPANCY TIME - PMCS
00008730 1028 * COL 78 = SCIR DISCREPANCY TIME - PMCM
00008740 1029 * COL 79 = SCIR DISCREPANCY AMM TIME
00008750 1030 * COL 80 = NUMBER OF MAINTENANCE ACTIONS WITH SUBSYSTEM EDC WHEN
00008760 1031 * RECEIVED
00008770 1032 * COL 81 = NUMBER OF MA'S WITH EDC CODE 'ACO' EDC CODE WHEN RECEIVED
00008780 1033 *
00008790 1034 *
00008800 1035 *
00008810 1036 * SYST_MATRIX MX,NROWS,61 SYSTEM MATRIX
00008820 1037 * NROWS = NUMBER OF SUBSYSTEM MATRICES
00008830 1038 *
00008840 1039 * INPUT COLUMNS: 2-3, 11-12, 14-23
00008850 1040 * OUTPUT COLUMNS: 4-9, 27-61
00008860 1041 *
00008870 1042 * COL 2 = SUBSYSTEM MALEFUND MATRIX INDEX
00008880 1043 * COL 3 = NUMBER OF RUMS IN SUBSYSTEM MM
00008890 1044 * COLS 4-9 = SAME AS IN SUBSYSTEM MATRICES
00008900 1045 * COL 11 = SUBSYSTEM MISDIAGNOSIS SUSCEPTIBILITY MODF
00008910 1046 * 0 = SUBSYSTEM IS NOT SUBJECT TO MISDIAGNOSIS
00008920 1047 * 1 = SUBSYSTEM IS SUBJECT TO MISDIAGNOSIS
00008930 1048 * COLS 12-13 - NOT USED
00008940 1049 * COLS 14-23:
00008950 1050 * ANY NONZERO POSITIVE INTEGER INITIALIZED IN COLUMNS 14-19
00008960 1051 * OF MRCYST_ WILL BE INTERPRETED AS A PERCENTAGE MODIFIER OF
00008970 1052 * ALL WRA MAINTENANCE ACTION EVENT PROBABILITIES FOR THE
00008980 1053 * CORRESPONDING SUBSYSTEM AND EVENT. ANY NONZERO POSITIVE
00008990 1054 * INTEGER INITIALIZED IN COLUMNS 20-21 WILL BE INTERPRETED AS A
00009000 1055 * PERCENTAGE MODIFIER OF ALL WRA MEAN EMT'S FOR THE
00009010 1056 * CORRESPONDING ORGANIZATIONAL OR INTERMEDIATE LEVEL MAINTENANCE
00009020 1057 * AND SUBSYSTEM.
00009030 1058 * ANY NONZERO NEGATIVE INTEGER INITIALIZED IN COLUMNS 14-21
00009040 1059 * WILL BE INTERPRETED AS A PERCENT MODIFIER, RESULTING IN ZERO
00009050 1060 * VALUES FOR THE CORRESPONDING WRA DATA ELEMENTS.
00009060 1061 * ANY VALUE NOT INITIALIZED IN COLUMNS 14-21 FOR INITIALIZED
00009070 1062 * TO 1) WILL BE INTERPRETED AS A 100 PERCENT MODIFIER, RESULTING
00009080 1063 * IN NO MODIFICATION OF THE CORRESPONDING WRA DATA ELEMENTS.
00009090 1064 * THE SAME APPLIES TO COLUMNS 22 AND 23, WHICH CONTAIN THE

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LINE#	STMT#	IF DO	BLUCLB	OLC	OPERATION	A,B,C,D,E,F,G	COMMENTS
00009100	1055			*	RUN TIME MODIFIERS FOR IMA TURNAROUND TIME AND RESUPPLY DELAY		
00009110	1066			*	RESPECTIVELY, EXCEPT THAT THESE MODIFIERS ARE APPLIED TO EACH		
00009120	1067			*	CALCULATED VALUE, RATHER THAN TO THE MEAN INPUT VALUE.		
00009130	1068			*			
00009140	1069			*	NOTE: ROW 5 OF MHSTYPE MUST BE = 1 FOR THIS OPTION TO BE IN EFFECT		
00009150	1070			*	COL 14 = RUN TIME PERCENTAGE MODIFIER - MAINTENANCE ACTION PROBABILITY		
00009160	1071			*	GROUND CREW INSPECTION		
00009170	1072			*	COL 15 = RUN TIME PERCENTAGE MODIFIER - MAINTENANCE ACTION PROBABILITY		
00009180	1073			*	AIRCREW INSPECTION		
00009190	1074			*	COL 16 = RUN TIME PERCENTAGE MODIFIER - MAINTENANCE ACTION PROBABILITY		
00009200	1075			*	DAILY INSPECTION		
00009210	1076			*	COL 17 = RUN TIME PERCENTAGE MODIFIER - MAINTENANCE ACTION PROBABILITY		
00009220	1077			*	CALENDAR/PHASED INSPECTION		
00009230	1078			*	COL 18 = RUN TIME PERCENTAGE MODIFIER - MAINTENANCE ACTION PROBABILITY		
00009240	1079			*	HAD PART FROM SUPPLY		
00009250	1080			*	COL 19 = RUN TIME PERCENTAGE MODIFIER - MAINTENANCE ACTION RATE		
00009260	1081			*	IN FLIGHT		
00009270	1082			*	COL 20 = RUN TIME PERCENTAGE MODIFIER - MEAN EMT - ORGANIZATIONAL		
00009280	1083			*	COL 21 = RUN TIME PERCENTAGE MODIFIER - MEAN EMT - INTERMEDIATE		
00009290	1084			*	COL 22 = RUN TIME PERCENTAGE MODIFIER - IMA TURNAROUND TIME		
00009300	1085			*	COL 23 = RUN TIME PERCENTAGE MODIFIER - RESUPPLY DELAY		
00009310	1086			*	COL 27 = TOTAL DISCREPANCIES		
00009320	1097			*	NOTE: COLUMNS 28-34 DO NOT INCLUDE CANNIBALIZATION REMOVALS AND		
00009330	1098			*	REPLACEMENTS		
00009340	1089			*	COL 28 = ORG. MAINT. ACTIONS - WHEN DISCOVERED - GROUND CREW INSP.		
00009350	1090			*	COL 29 = ORG. MAINT. ACTIONS - WHEN DISCOVERED - AIRCREW INSP.		
00009360	1091			*	COL 30 = ORG. MAINT. ACTIONS - WHEN DISCOVERED - DAILY INSP.		
00009370	1092			*	COL 31 = ORG. MAINT. ACTIONS - WHEN DISCOVERED - CALENDAR/PHASED INSP.		
00009380	1093			*	COL 32 = ORG. MAINT. ACTIONS - WHEN DISCOVERED - HAD PART FROM SUPPLY		
00009390	1094			*	COL 33 = ORG. MAINT. ACTIONS - WHEN DISCOVERED - IN FLIGHT		
00009400	1095			*	COL 34 = TOTAL ORGANIZATIONAL MAINTENANCE ACTIONS		
00009410	1096			*	COL 35 = TOTAL ELAPSED MAINTENANCE TIME - ORGANIZATIONAL		
00009420	1097			*	COL 36 = TOTAL DIRECT MAN HOURS - ORGANIZATIONAL		
00009430	1098			*	COL 37 = NUMBER OF NRR MAINTENANCE ACTIONS - ORGANIZATIONAL		
00009440	1099			*	COL 38 = TOTAL MAINTENANCE ACTIONS - INTERMEDIATE		
00009450	1100			*	COL 39 = TOTAL ELAPSED MAINTENANCE TIME - INTERMEDIATE		
00009460	1101			*	COL 40 = TOTAL DIRECT MAN HOURS - INTERMEDIATE		
00009470	1102			*	COL 41 = NUMBER OF CANNIBALIZATION REMOVALS		
00009480	1103			*	COL 42 = NUMBER OF NRR MAINTENANCE ACTIONS - INTERMEDIATE		
00009490	1104			*	COL 43 = NUMBER OF SUPPLY ACTIONS		
00009500	1105			*	COL 44 = NUMBER OF TIMES SPARE NOT AVAILABLE FROM SUPPLY		
00009510	1106			*	COL 45 = NUMBER OF HAD PARTS RECEIVED FROM SUPPLY		
00009520	1107			*	COL 46 = NUMBER OF BCM ACTIONS - CODES 1-8		
00009530	1108			*	COL 47 = NUMBER OF BCM ACTIONS - CODE 9		
00009540	1109			*	COL 48 = NUMBER OF REPLACEMENTS AFTER CANNIBALIZATION		
00009550	1110			*	COL 49-50 = NOT USED		
00009560	1111			*	COL 51 = SCIR IMPACT TIME - NMCS		
00009570	1112			*	COL 52 = SCIR IMPACT TIME - NMCM		
00009580	1113			*	COL 53 = SCIR IMPACT TIME - PMCS		
00009590	1114			*	COL 54 = SCIR IMPACT TIME - PMCM		
00009600	1115			*	COL 55 = SCIR DISCREPANCY TIME - NMCS		
00009610	1116			*	COL 56 = SCIR DISCREPANCY TIME - NMCM		
00009620	1117			*	COL 57 = SCIR DISCREPANCY TIME - PMCS		
00009630	1118			*	COL 58 = SCIR DISCREPANCY TIME - PMCM		
00009640	1119			*	COL 59 = SCIR DISCREPANCY AMM TIME		
00009650	1120			*	COL 60 = NUMBER OF MAINTENANCE ACTIONS WITH SUBSYSTEM EOL WHEN		

LINE# STMT# IF DO BLOCK# *LOC OPERATION A,B,C,D,E,F,G COMMENTS

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00009600 1121
00009670 1122
00009680 1123
00009690 1124
00009700 1125
00009710 1126
00009720 1127
00009730 1128
00009740 1129
00009750 1130
00009760 1131
00009770 1132
00009780 1133
00009790 1134
00009800 1135
00009810 1136
00009820 1137
00009830 1138
00009840 1139
00009850 1140
00009860 1141
00009870 1142
00009880 1143
00009890 1144
00009900 1145
00009910 1146
00009920 1147
00009930 1148
00009940 1149
00009950 1150
00009960 1151
00009970 1152
00009980 1153
00009990 1154
00010000 1155
00010010 1156
00010020 1157
00010030 1158
00010040 1159
00010050 1160
00010060 1161
00010070 1162
00010080 1163
00010090 1164
00010100 1165
00010110 1166
00010120 1167
00010130 1168
00010140 1169
00010150 1170
00010160 1171
00010170 1172
00010180 1173
00010190 1174
00010200 1175
00010210 1176

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RECEIVED

* COL 61 = NUMBER OF MA'S WITH EDC CODE 'AUG' EDC CODE WHEN RECEIVED

* SYSTEM MATRIX MX,NROWS,61 SYSTEM SUMMARY (OUTPUT)

* NROWS = NUMBER OF SQUADROWS

* COLS 4-9 AND 27-61 HAVE SAME MEANINGS AS IN MX+SYST.

* SCIM_ MATRIX MX,NROWS,8 SCIR IMPACT SUMMARY BY EDC

* NROWS = NUMBER OF EDC'S THIS A/C TYPE

* INPUT COLUMNS

* COL 1 = EDC (FOR LOADING INFORMATION SEE DESCRIPTION OF COLUMNS 37 & 38 OF SUBSYSTEM MATRICES)

* OUTPUT COLUMNS:

* COL 2 = SCIR IMPACT TIME - MAINTENANCE

* COL 3 = SCIR IMPACT TIME - SUPPLY

* COL 4 = SUBSYSTEM NOT AVAILABLE TIME - MAINTENANCE

* COL 5 = SUBSYSTEM NOT AVAILABLE TIME - SUPPLY

* COL 6 = SCIR DISCREPANCY TIME - MAINTENANCE

* COL 7 = SCIR DISCREPANCY TIME - SUPPLY

* COL 8 = SCIR DISCREPANCY AMT TIME

***** CUMULATIVE MAINTENANCE ACTION RATE MATRICES *****

*CFR_4 MATRIX MX,NROWS,3 GROUND CREW INSPECTION

*CFR_5 MATRIX MX,NROWS,3 AIR CREW INSPECTION

*CFR_6 MATRIX MX,NROWS,3 DAILY INSPECTION

*CFR_7 MATRIX MX,NROWS,3 CALENDAR/PHASED INSPECTION

*CFR_9 MATRIX MX,NROWS,3 IN FLIGHT

* NOTE: A SET OF SUCH MATRICES ARE REQUIRED FOR EACH A/C TYPE BEING SIMULATED

* "N" REFERS TO THE A/C TYPE NUMBER (E.G. "10")

* NROWS = AT LEAST EQUAL TO THE TOTAL NUMBER OF NONZERO UNZERD MAINTENANCE ACTION PROBABILITY MA'S THIS A/C TYPE THIS EVENT. REFER TO COLS 4, 5, 6, 7 & 9 RESPECTIVELY OF THE APPROPRIATE SUBSYSTEM MATRICES DEFINED FOR THIS A/C TYPE.

THESE MATRICES ARE AUTOMATICALLY LOADED DURING MODEL EXECUTION

* THE FOLLOWING MATRIX IS NEITHER INPUT NOR OUTPUT. IT IS USED INTERNALLY BY THE PROGRAM.

* N2SUM MATRIX MX,13,9 *ISI* SCIM MATRIX SUMMATION - SCIT

* SCIT MATRIX MX,1,9

* COL. NO. 1 IS EMPTY

* COL. NO. 2 IS TOTAL SCIR IMPACT TIME - MAINTENANCE

* COL. NO. 3 IS TOTAL SCIR IMPACT TIME - SUPPLY

* COL. NO. 4 IS TOTAL SUBSYSTEM NOT AVAILABLE TIME - MAINT.

LINE#	STATE	IF DO	BLOCK#	CLC	OPERATION	A,B,C,D,E,F,G	COMMENTS
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•	12/10/82	1177	CUL. NO. 5 IS TOTAL SUBSYSTEM NOT AVAILABLE TIME - SUPPLY
•	12/10/82	1178	COL. NO. 6 IS TOTAL SCIK DISCREPENCY TIME - MAINTENANCE
•	12/10/82	1179	COL. NO. 7 IS TOTAL SCIK DISCREPENCY TIME - SUPPLY
•	12/10/82	1182	COL. NO. 8 IS TOTAL SCIK AMM TIME

STUDENTS

THE FOLLOWING STORAGES ARE DEFINED

[illegible]

♦ ♦ ♦
HANGAR DECK MAINTENANCE SPACES THIS SQUADRON (CYCLIC
HOMS_ (IPS ONLY)

WAD_1	MANPOWER (X10)	M.C.	110	-	1ST	SHIFT	THIS SQUADRON
WAM_1	MANPOWER (X10)	M.C.	120	-	1ST	SHIFT	THIS SQUADRON
AME_1	MANPOWER (X10)	M.C.	130	-	1ST	SHIFT	THIS SQUADRON
CHK_1	MANPOWER (X10)	M.C.	240	-	1ST	SHIFT	THIS SQUADRON
WAT_1	MANPOWER (X10)	M.C.	210	-	1ST	SHIFT	THIS SQUADRON
WAE_1	MANPOWER (X10)	M.C.	220	-	1ST	SHIFT	THIS SQUADRON
WAO_1	MANPOWER (X10)	M.C.	230	-	1ST	SHIFT	THIS SQUADRON
WAO_1	MANPOWER (X10)	M.C.	250	-	1ST	SHIFT	THIS SQUADRON
LIN_1	MANPOWER (X10)	M.C.	300	-	1ST	SHIFT	THIS SQUADRON
WAD_2	MANPOWER (X10)	M.C.	110	-	2ND	SHIFT	THIS SQUADRON
WAM_2	MANPOWER (X10)	M.C.	120	-	2ND	SHIFT	THIS SQUADRON
AME_2	MANPOWER (X10)	M.C.	130	-	2ND	SHIFT	THIS SQUADRON
CHK_2	MANPOWER (X10)	M.C.	140	-	2ND	SHIFT	THIS SQUADRON
WAT_2	MANPOWER (X10)	M.C.	210	-	2ND	SHIFT	THIS SQUADRON
WAE_2	MANPOWER (X10)	M.C.	220	-	2ND	SHIFT	THIS SQUADRON
WAO_2	MANPOWER (X10)	M.C.	230	-	2ND	SHIFT	THIS SQUADRON
WAO_2	MANPOWER (X10)	M.C.	250	-	2ND	SHIFT	THIS SQUADRON

* TABLES

*OPC_	TABLE	G8PC,0.1,K	UPC A/C AT START OF FLYING DAY
*K =		NUMBER OF A/C IN SQUADRON + 2	
*DJCF_	TABLE	PH26,0.1,13	INFLIGHT DISCREPANCY DISTRIBUTION
*UN4C_	TABLE	MP12PF,1.1,1,1,JJ	NMC TIME DISTRIBUTION
*UNSQ_	TABLE	MI,13,17,100	UNSCM. MAINT. QUEUE TIME

REFERENCES

ALPHA FUNCTION XMS0451A.D22 A/C PG TJ HE ALTERED
04/1095/0.09703/12.03726,57/100,02/100,57/103,50/112,54
126,50/210,45/211,07/202,57/203,55/212,55/226,57/300,04/302,52/303,56
31,050/326,0.

LINE# STMT# IF DO BLOCK# ELOC OPERATION A,B,C,D,E,F,G COMMENTS

00011250 1299 TASK FUNCTION P817,DH ORGANIZATIONAL MAINTENANCE TASK
00011260 1290 10USCAA/3,USCAA/13,USCAA/15,USFAA/16,CANAA/17,USEAA/18,USFAA/20,SUPA

00011270 1291 *
00011280 1292 *
00011290 1293 *
00011300 1294 *
00011310 1295 *
00011320 1296 *
00011330 1297 *
00011340 1298 *
00011350 1299 *
00011360 1300 *
00011370 1301 *
00011380 1302 *
00011390 1303 *
00011400 1304 *
00011410 1305 *
00011420 1306 *
00011430 1307 *
00011440 1308 *
00011450 1309 *
00011460 1310 *
00011470 1311 *
00011480 1312 *
00011490 1313 *
00011500 1314 *
00011510 1315 *
00011520 1316 *
00011530 1317 *
00011540 1318 *
00011550 1319 *
00011560 1320 *
00011570 1321 *
00011580 1322 *
00011590 1323 *
00011600 1324 *
00011610 1325 *
00011620 1326 *
00011630 1327 *
00011640 1328 *
00011650 1329 *
00011660 1330 *
00011670 1331 *
00011680 1332 *
00011690 1333 *
00011700 1334 *
00011710 1335 *
00011720 1336 *
00011730 1337 *
00011740 1338 *
00011750 1339 *
00011760 1340 *
00011770 1341 *
00011780 1342 *
00011790 1343 *
00011800 1344 *

PIR01 FUNCTION P87,D6 ROM POINTER - MACHINE
202/3,3/4,1/6,4/8,5/7,5
PIR02 FUNCTION P89,D6 ROM POINTER - MACHINE & MMSTU
204/4,1/6,5/8,6/9,7/11,8
PIR03 FUNCTION P87,D6 ROM POINTER - MMSPMM
201/3,2/6,3/8,4
PIR04 FUNCTION XMSKCD,011 ROM POINTER - MACHINE
11,16/120,17/130,19/150,2/21,21/211,19/212,25/220,22/230,23
200,24/300,26
PIR05 FUNCTION XMSKCD,011 ROM POINTER - XMSKCD
11,1/120,2/130,3/150,5/21,6/211,4/212,10/220,7/230,8/240,9/300,11
208/4,7/8,8/9,11/11,4/12,5
PIR06 FUNCTION P89,D6 COL. POINTER - ITEMS PROCESSED - XMSKCD
208/4,7/8,8/9,11/11,4/12,5
PIR07 FUNCTION P89,D6 COL. POINTER - OMN - XMSKCD
208/4,7/8,8/9,11/11,4/12,5
PIR08 FUNCTION P82,D7 COL. POINTER - SUBSYSTEM MH
209/3,4/9,5/53/5,4/8/5,5/9,51/12,52
PIR11 FUNCTION P89,D6 COL. POINTER - XMSMISA
1015/2,16/3,17/12,17/25,18
PIR12 FUNCTION P85,D28 ROM POINTER - XMSAIMO
111,2
41,1/420,2/430,3/440,4/450,5/460,6/510,7/520,8/530,9/540,10/550,11
50,12/570,13/610,14/620,15/630,16/640,17/650,18/660,19/670,20/680,21
29,22/710,23/720,24/31,25/820,26/830,27
PIR13 FUNCTION P82,D72 COL. POINTER, ROM CUJE - SUBSYSTEM MH
907/12,66
PIR14 FUNCTION P82,D72 COL. POINTER, ROM CUJE - SYSTEM AX
907/14,46

LINE# STMT# IF DO BLUCC# CLDC OPERATION A,B,C,D,E,F,G COMMENTS

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00011810 1345 PTRIS FUNCTION PB2H,D2 COL. POINTER, ACM CODE - MXXAIMD
00011820 1346 9,7/1c-6
00011830 1347 *
00011840 1348 *
00011850 1349 PTRIS FUNCTION PH3,C4 COLUMN NUMBER - SUBSYSTEM MM
00011860 1350 14,9/14,9/20,22/21,23
00011870 1351 *
00011880 1352 *
00011890 1353 RAN64 FUNCTION RN4,C2 6-DIGIT RANDOM NUMBER
00011900 1354 0,0/1,1C00000
00011910 1355 *
00011920 1356 *
00011930 1357 TYPRM FUNCTION XBSVCOL,D5 ROM NUMBER - MMSTYPE
00011940 1358 4,14/5,15/6,16/7,17/9,18
00011950 1359 *
00011960 1360 *
00011970 1361 *****
00011980 1362 * ARITHMETIC VARIABLES *****
00011990 1363 *****
00012000 1364 *
00012010 1365 ACDBT VARIABLE PB13-PB17 A/C OBTAINED FROM MISSION SELECTION
00012020 1366 ARGW VARIABLE 1,0MM*XM*SB*MM(MH$RMR,H) ARGUMENT OF FMSERP
00012030 1367 ALTIM VARIABLE XM$RLTIM-XM$LTHI*PF2 CLOCK TIME THIS LAUNCH
00012040 1368 BCM VARIABLE MM*PH19(PH20,25)*MM*PH19(PH20,26) BCM PROBABILITY
00012050 1369 BCM12 FVARIABLE M*PH19(PH20,25)/V$BCM*1C00 BCM 1-8 PROBABILITY
00012060 1370 BKCP1 VARIABLE PF2*XM$INTNR*XF$SPINT BREAKPOINT VALUE
00012070 1371 CALL1 VARIABLE V$LNCL-MH$COMPL(25,PB5) CALL DAILY INSPECTION
00012080 1372 CALL2 VARIABLE PF3-C1-MH$COMPL(24,PB5) CALL A/C FOR MISSION
00012090 1373 CALIO VARIABLE 1,0MMSTYPE(9,PB6) AVERAGE CALENDAR INSPECTION
00012100 1374 *
00012110 1375 CALRM VARIABLE PF15*PH3D-C1 DURATION
00012120 1376 * REMAINING CALENDAR/PHASED INSPECTION
00012130 1377 CANV2 VARIABLE PB52*PB56*PB60 DURATION THIS A/C
00012140 1378 CANV4 VARIABLE PH45*PB47*PB49*PB50*PB51*PB53*PB54*PB55*PB57*V$CANV5 SCIR DISCREPANCIES AMP
00012150 1379 CANV5 VARIABLE PB53*PB59 PB53*PB59
00012160 1380 *
00012170 1381 * SCIR IMPACT DISCREPANCIES IN WORK,
00012180 1382 * NOT YET RECEIVED, OR AMM (REASON
00012190 1383 * CODE 1-8)
00012200 1384 CANMR VARIABLE XBSLCL*PH15-10 COLUMN NUMBER - MXXAMR_
00012210 1385 CCALL VARIABLE (PH1-1)*MH$COMPL(3,PB5)*1 CALENDAR INSPECTION
00012220 1386 * CALLING SEQUENCE
00012230 1387 CLINT VARIABLE MH$TYPE(5,PB6)*1600/MH$COMPL(3,PB5) CALENDAR
00012240 1388 * MAINTENANCE CALLING INTERVAL
00012250 1389 CFRMX VARIABLE MH$TYPE(FN$TPRM,PB6) MX INDEX - CUM. MAINT. ACTION
00012260 1390 *
00012270 1391 CF$UM FVARIABLE 1*(XF$UMPAR/V$SPINT) MD# NUMBER - CUM. MA RATE MX
00012280 1392 CMKFL VARIABLE MH$TYPE(20,PB6)*1 MISSION TYPE = CHECK FLIGHT
00012290 1393 CMCDL VARIABLE PH3/1,0 CURRENT MISSION CODE
00012300 1394 CM$PAK FVARIABLE 1*FNS$KAK64 7-DIGIT RANDOM NUMBER
00012310 1395 CMSTA VARIABLE V$CMCDD*100*PB10 CURRENT DISCREPANCY MISSION/STATUS
00012320 1396 * CODE
00012330 1397 CNVRT VARIABLE XH$ADVAL*100/6*XM$ADVAL/100*10 CONVERT MILITARY
00012340 1398 * TIME TO CLOCK UNITS
00012350 1399 CF$1 VARIABLE V$C$WRT-MH$COMPL(24,PB5)*24*(XH$DAY-1) CLOCK TIME
00012360 1400 * FOR MISSION CALL
00012370 1401 * (XH$DAY-1)*MH$XREC(2,1)*1 COL MK. - MMSUPS
00012380 1402 *
00012390 1403 *
00012400 1404 *

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LINE# STMT# IF DO BLOCK# *LOC OPERATION A,B,C,D,E,F,G COMMENTS

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00012370 1401 DALIM VARIABLE C1-44$TYPE(113,PB6)*10 DAILY INSPECTION NUM-FLYING
00012380 1402 TIME LIMIT
00012390 1403 DIRM VARIABLE PB47*PB51+PB55+PB59 DISCREPANCIES AMATING MAINI.
00012400 1404 DIRM VARIABLE PB47*PB55+PB59+PB59 DISCREPANCIES IN WORK
00012410 1405 DISAI VARIABLE 34-44$PB25 CUL/ NR. - PROD. OF SUBSYSTEM WHEN-
00012420 1406 RECEIVED EOC
00012430 1407 DISA2 VARIABLE 39-44$PB25 CUL. NR. - PROD. OF AOC WHEN-
00012440 1408 RECEIVED EOC
00012450 1409 DISA3 VARIABLE 40-44$PB25 CUL. NR. - PROD. OF ALT. IV-WORK EOC
00012460 1410 DISA4 VARIABLE 41-44$PB25 CUL. NR. - ALT. EOC
00012470 1411 DIRM FVARIABLE (XHSVEN+XHSFHT+5)/10 DIRECT MM (A10)
00012480 1412 DIRM VARIABLE PB41+PB45+PB47+PB49+PB53+PB57+PB59+PB51+PB55+PB59
00012490 1413 NUMBER OF DISCREPANCIES REQUIRING
00012500 1414 MAINTENANCE
00012510 1415 DNR VARIABLE PB41+PB45+PB53+PB57 DISCREPANCIES NOT YET RECEIVED
00012520 1416 EMTU VARIABLE MP140F-P447 DIRECT EMT
00012530 1417 ENDAY VARIABLE 24-44$DAY-C1 TIME UNTIL END OF DAY
00012540 1418 FLTQ VARIABLE VSLC1-MH$EXEC(9,1) FLIGHT QUARTERS
00012550 1419 ICMKT FVARIABLE 10F$V$IC-MKT IMA TURNAROUND TIME - CHECKOUT
00012560 1420 ICMAL VARIABLE PF1-C1-MH$COMPL(15,PB5) TIME AVAILABLE FOR IN-CYCLE
00012570 1421 MAINTENANCE
00012580 1422 IMA1 VARIABLE XFSIFINC-C1 REMAINING INT. LEVELL SHIFT DURATION
00012590 1423 IMPCT FVARIABLE ((10XHS+11SST/AB$MISC)*5)/10 SCIR IMPACT TIME
00012600 1424 INIT1 VARIABLE MX$XHSY$MX(PH1,AB$CUL)+XHS$DATA
00012610 1425 ELEMENT
00012620 1426 INVRT VARIABLE J-P413 INVERT THIS PARAM.
00012630 1427 INEPT FVARIABLE 240$FNS$IREPT*(MX$PH3(PH4,22)/10) IMA TURNAROUND
00012640 1428 TIME - REPAIR
00012650 1429 LINK1 VARIABLE 270-PM3 VALUE OF LINKING PARAMETER
00012660 1430 LINK1 VARIABLE 1448$OSMFT+PH$PTR(4-18 ROM POINTER - WORK CTR.
00012670 1431 LMBT VARIABLE 1-44$X$SYSUM(PB5,PB23) ARGUMENT OF FNS$EXP
00012680 1432 LMBTF VARIABLE MX$SYSUM(PB5,9)*PB23 ARGUMENT OF FNS$EXP
00012690 1433 LNCT1 VARIABLE PF2-C1 TIME REMAINING UNTIL FIRST LAUNCH
00012700 1434 LNCTM VARIABLE XH$DVNC+C1 TIME OF 1ST LAUNCH
00012710 1435 LRCM VARIABLE PH$+1 ROM NUMBER - LAUNCH TIME MH
00012720 1436 MEV VARIABLE (MH$PH19(PH2,13)/108$M$M$N1)*10 ORGANIZATIONAL
00012730 1437 MAYPOWER THIS REPAIR
00012740 1438 MLY2 VARIABLE MH$PH19(PH2,13)*10*100 USED IN BVM$M$N1
00012750 1439 MHYC VARIABLE MH$TYPE(20,PB6)*2 NUMBER OF COLUMNS IN MX$M$M$N1
00012760 1440 MID FVARIABLE (XBSLL14+XBS$MLM+1)/2 MIDPOINT OF SEARCH
00012770 1441 MITS FVARIABLE XBS$UPP+XHS$UTIME/(AB$SUPP+XBS$USCH+XBS$SCH) MISSION
00012780 1442 STATUS TIME - SUPPLY
00012790 1443 MISTK FVARIABLE XBS$USCH+XHS$UTIME/(XBS$SUPP+XBS$USCH+XBS$SCH) MISSION
00012800 1444 STATUS TIME - SCHEDULED MAINT.
00012810 1445 MSTU VARIABLE XHS$UTIME-XHS$MSTS-XHS$MSTSK MISSION STATUS TIME -
00012820 1446 UNSCHEDULED MAINT.
00012830 1447 MURAM VARIABLE 2-40$EXP$CASE-1) NUMBER OF RANDM NUMBER DRAMS
00012840 1448 MEATE FVARIABLE 250-44$MH$PH1(PH2,PH2)/MX$SYSUM(PB5,PB2)*400
00012850 1449 MNCOD VARIABLE PH31/100 NEW MISSION CODE
00012860 1450 MASTA VARIABLE VEMACD0+100*PB11 NEW DISCREPANCY MISSION/STATUS CODE
00012870 1451 NORMALIZED MA RATE
00012880 1452 MPR0M FVARIABLE 1-100000*(XHS$PH34/XHS$DITER) MAXIMIZED MA PROB.
00012890 1453 MPR0 FVARIABLE 1-100000*(XHS$PH19(PH20,7)/100-44$X$PH19(PH2,24))
00012900 1454 MODIFIED MAX PROBABILITY (URG.)
00012910 1455 MPRMA VARIABLE P45+11 ROM NUMBER - M430P5
00012920 1456 OXDL VARIABLE XHS$414P+ ROM POINTER - M430P5

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LINE# STATE IF DO BLOCK# *LOC OPERATION A,B,C,D,E,F,G COMMENTS

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00012930 1457 PART VARIABLE XHSWRANK+1000*HMSBSMMH CASEE PART NUMBER
00012940 1458 PHA01 VARIABLE 100*HMTYPE(11,PB6) FLIGHT TIME BETWEEN PHASES
00012950 1459 PHA02 VARIABLE VSPHA01*HMTYPE(11,PB6)/100 PHASED INSPECTION FLIGHT
                                TIME TOLERANCE
*
00012960 1460 PHA03 VARIABLE 0-VSPHA02
00012970 1461 PHA04 VARIABLE PB15+1 COLUMN NUMBER - HMSPHAS-
00012980 1462 PHA05 VARIABLE PH26+5 ROW POINTER - HMSPMH-
00012990 1463 PHA06 VARIABLE 100*HMTYPE(12,PB6)/1000 MEAT PHASED INSPECTION
00013000 1464 PHA07 VARIABLE 100*HMTYPE(12,PB6)/1000000 PULISSON DISTRIBUTION
00013010 1465 PHA08 VARIABLE XFSPPKUB/2000*FSAK/1000000 VALUE
*
00013020 1466 PREP1 VARIABLE BVSPREP1*HMTYPE(12,PB3)
00013030 1467 PREP2 VARIABLE HVSPREP2*HMTYPE(12,PB3)
00013040 1468 PREP3 VARIABLE PH3-PH45 NUMBER OF LAUNCH EVENTS AGO FOR
                                PREVIOUS MISSION
*
00013050 1469 RAN62 VARIABLE RAN2+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013060 1470 RAN63 VARIABLE RAN3+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013070 1471 RAN64 VARIABLE RAN4+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013080 1472 RAN65 VARIABLE RAN5+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013090 1473 RAN66 VARIABLE RAN6+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013100 1474 RAN67 VARIABLE RAN7+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013110 1475 RAN68 VARIABLE RAN8+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013120 1476 RAN69 VARIABLE RAN9+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013130 1477 RAN70 VARIABLE RAN10+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013140 1478 RAN71 VARIABLE RAN11+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013150 1479 RAN72 VARIABLE RAN12+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013160 1480 RAN73 VARIABLE RAN13+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013170 1481 RAN74 VARIABLE RAN14+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013180 1482 RAN75 VARIABLE RAN15+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013190 1483 RAN76 VARIABLE RAN16+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013200 1484 RAN77 VARIABLE RAN17+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013210 1485 RAN78 VARIABLE RAN18+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013220 1486 RAN79 VARIABLE RAN19+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013230 1487 RAN80 VARIABLE RAN20+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013240 1488 RAN81 VARIABLE RAN21+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013250 1489 RAN82 VARIABLE RAN22+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013260 1490 RAN83 VARIABLE RAN23+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013270 1491 RAN84 VARIABLE RAN24+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013280 1492 RAN85 VARIABLE RAN25+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013290 1493 RAN86 VARIABLE RAN26+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013300 1494 RAN87 VARIABLE RAN27+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013310 1495 RAN88 VARIABLE RAN28+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013320 1496 RAN89 VARIABLE RAN29+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013330 1497 RAN90 VARIABLE RAN30+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013340 1498 RAN91 VARIABLE RAN31+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013350 1499 RAN92 VARIABLE RAN32+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013360 1500 RAN93 VARIABLE RAN33+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013370 1501 RAN94 VARIABLE RAN34+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013380 1502 RAN95 VARIABLE RAN35+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013390 1503 RAN96 VARIABLE RAN36+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013400 1504 RAN97 VARIABLE RAN37+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013410 1505 RAN98 VARIABLE RAN38+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013420 1506 RAN99 VARIABLE RAN39+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013430 1507 RAN00 VARIABLE RAN40+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013440 1508 RAN01 VARIABLE RAN41+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013450 1509 RAN02 VARIABLE RAN42+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013460 1510 RAN03 VARIABLE RAN43+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013470 1511 RAN04 VARIABLE RAN44+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER
00013480 1512 RAN05 VARIABLE RAN45+1000*HMTYPE(12,PB3) 0-DIGIT RANDOM NUMBER

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GPSS/M VM/370 RELEASE 1.0 (AY142) 10 DEC 82 10140134 FILE: ATENCOPS

LINE# STATE IF DO BLUCL# PLUC OPERATION A,B,C,D,E,F,G COMMENTS

00014030 1569 * CANV3 BVARIABLE (MM\$CUMPL(7,PB5)E''))*(PB37*LE'MH\$CUMPL(7,PB5)) DISCREPANCIES
 00014040 1570 * AT MOST MAXIMUM ALLOWABLE AMP
 00014050 1571 * DISCREPANCIES
 00014060 1572 * CANV4 BVARIABLE V\$CANV4E'U NO SCIR-RELATED DISCREPANCIES IN
 00014070 1573 * WORK, NOT YET RECEIVED, OR AMM
 00014080 1574 * (REASON CODE 1-3)
 00014090 1575 * CNDEM BVARIABLE (PB3E'12)*(PB3E'11)*(PB2E'19)) CONDEMNED BCM ITEM
 00014100 1576 * CUMRT BVARIABLE UV\$CUMRT*BV\$COMK4 POTENTIAL 'CUMER' A/C IN TURNAROUND
 12/10/82 1577 * INSPECTION
 12/10/82 1578 * CUMRU BVARIABLE HV\$CUMRU*BV\$COMK2*BV\$COMK3 POTENTIAL 'CUMER' A/C
 12/10/82 1579 * IN UNSCHEDULED MAINT.
 00014120 1580 * CUMR1 BVARIABLE PF15E'U NOT ALREADY DESIGNATED AS A 'CUMER'
 00014130 1581 * CUMR2 BVARIABLE V\$TILMC'U*V\$TTLT REMAINING TTR + PREP TIME LESS THAN
 00014140 1582 * LAUNCH WINDOW EXPIRATION TIME
 00014150 1583 * CUMR3 BVARIABLE V\$CUMR3E'PB29 NO AMM OR AMP DISCREPANCIES
 12/10/82 1584 * CUMR4 BVARIABLE V\$TURNK'L*V\$TTLT REMAINING TURNAROUND INSPECTION
 12/10/82 1585 * TIME LESS THAN LAUNCH WINDOW
 12/10/82 1586 * CYDPS BVARIABLE MM\$CYDPC(4,1)E'1 CYCLIC UPS
 00014160 1587 * DAILY BVARIABLE PF14*LE'V\$DUALIN*PF11*G*PF14*PF15*G*PF14 PERFORM
 00014170 1588 * DAILY INSPECTION
 00014180 1589 * DAM BVARIABLE (PB1E'2)*(PB1E'1)) DISCREPANCY AMM
 00014190 1590 * DMST1 BVARIABLE XH\$DMSTANE'101*H\$DMSTANE'501*H\$DMSTANE'501
 00014200 1591 * DMST2 BVARIABLE PR4E'X\$B\$TALUD*PF9E'X\$F\$UCU UNRESOLVED DISCREPANCY
 00014210 1592 * ENDM1 BVARIABLE HV\$ENMA1*BV\$ENMA2 MAINTENANCE ACTION COMPLETED
 00014220 1593 * ENMA1 BVARIABLE PR21E'1, REPAIR SUBTASK COMPLETED
 00014230 1594 * ENMA2 BVARIABLE (PB17*NE'17*PB21*NE'3)*(PB17*L'17*PB21*E'3)
 00014240 1595 * ANOTHER SUBTASK REQUIRED
 00014250 1596 * HDECK BVARIABLE PR34E'1
 00014260 1597 * ICM1 BVARIABLE XH\$ICMA1E'1*CH\$ICMA1E'1 IN-CYCLE MAINTENANCE
 00014270 1598 * IS POSSIBLE
 00014280 1599 * INFID BVARIABLE (PB4E'X\$B\$TALNF)*(PB9E'5)*(PF2*GE'X\$T\$LAU)
 00014290 1600 * INFLT DISCREPANCY THIS A/C
 00014300 1601 * INMT BVARIABLE PB9*GE'11*PB4*LE'13 A/C ALREADY IN MAINTENANCE
 00014310 1602 * INSRC BVARIABLE (XH\$410*E'X\$H\$MLIM)*(XH\$410*NE'X\$B\$LLIM) WITHIN
 00014320 1603 * SEARCH LIMITS
 00014330 1604 * LIND1 BVARIABLE (PB4*NE'X\$B\$LIND2)*(PH45E'X\$H\$LINJ1) MAINTENANCE
 00014340 1605 * ACTIONS AMM THIS WORK CENTER
 00014350 1606 * MEV1 BVARIABLE RN7*L'V\$4LEN2 USED IN VMEN
 00014360 1607 * NCR BVARIABLE PRNE'42 NOT AN IN-CYCLE REPAIR
 00014370 1608 * NCMK BVARIABLE (V\$JIN*E'U)*(V\$DAM*E'U)*(V\$DNR*E'U)*(PB61E'U)
 00014380 1609 * NO MAINTENANCE CURRENTLY IN PROGRESS
 00014390 1610 * OADLD BVARIABLE (PH45E'U)*(PH45*NE'U)*(PH45*PH25(V\$PHMRW,2)E'U))
 00014400 1611 * LJA0 ORDINANCE THIS A/C
 00014410 1612 * PREP1 BVARIABLE MH\$X\$H\$K\$P(2,3)*G*MH\$X\$H\$K\$P(V\$ORDL,3)
 00014420 1613 * USED IN V\$PREP1
 00014430 1614 * PREP2 BVARIABLE MH\$X\$H\$K\$P(V\$ORDL,3)*G*MH\$X\$H\$K\$P(2,3)
 00014440 1615 * USED IN V\$PREP2
 00014450 1616 * PREP3 BVARIABLE (PB4*LE'U)*(PH13*V\$G*240) A/C NEEDS GROUND CREW
 00014460 1617 * PREFLIGHT INSPECTION
 00014470 1618 * RCVF BVARIABLE (PB9*LE'U)*(PH45E'U) ORDINANCE RECONFIGURATION EVENT
 00014480 1619 * RDPF1 BVARIABLE (PB34*E'1)*(PB34*E'1) RESPUT TO FLIGHT DECK
 00014490 1620 * SDMM BVARIABLE (PB34*E'X\$B\$TALNF)*(PH2*E'U) SCIR DISCREPANCY AMM
 00014500 1621 * SLDMM BVARIABLE V\$145UM*U A/C HAS DISCREPANCIES REQUIRING
 00014510 1622 * MAINTENANCE
 00014520 1623 *

LINE# STMT# IF WD BLOCK# *LOC OPERATION A,B,C,D,E,F,G COMMENTS

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1625 00010530 1625  SMCAP BVAIABLE  P80,LC,MHSTYPE(V9SMRQD,P80)  CAPABLE THIS MISSION
1626 00010540 1626  SP51 BVAIABLE  HV*CYDUS*(PH3,NE,MH*PH1,1,PH9))  NEGATIVE ENTRY
1627 00010550 1627  *  IN AIR PLAN MATRIX
1628 00010560 1628  SMG2 BVAIABLE  (HV*CYUPS*(E,1,PH3,E,MH*PH1,1,PH9))  POSITIVE
1629 00010570 1629  *  ENTRY IN AIR PLAN MATRIX
1630 00010580 1630  *  UPDA1 BVAIABLE  (PH3,1,NE,PH3,1,PH11,NE,PH10)*(PH10,NE,PH15)
1631 00010590 1631  *  UPDATE SCIR STATISTICS
1632 00010600 1632  *  UPDA2 BVAIABLE  (P83,E,1)*(PH3,E,2,PH9,E,1)  NU SCIR-RELATED
1633 00010610 1633  *  DISCREPANCIES
1634 00010620 1634  *  USRA1 BVAIABLE  (PB4,E,XDSTALNU)*(P4,15,E,PH*MKC)  REPAIR TASK THIS A/C
1635 00010630 1635  *  AM THIS WORK CENTER
1636 00010640 1636  *  WMCOD BVAIABLE  V9CMCU*XB*MISS  WORST DISCREPANCY MISSION CODE
1637 00010650 1637  *  *****
1638 00010660 1638  *  *****
1639 00010670 1639  *  *****
1640 00010680 1640  *  *****
1641 00010690 1641  *  *****
1642 00010700 1642  *  *****
1643 00010710 1643  *  *****
1644 00010720 1644  *  *****
1645 00010730 1645  *  *****
1646 00010740 1646  *  *****
1647 00010750 1647  *  *****
1648 00010760 1648  *  *****
1649 00010770 1649  *  *****
1650 00010780 1650  *  *****
1651 00010790 1651  *  *****
1652 00010800 1652  *  *****
1653 00010810 1653  *  *****
1654 00010820 1654  *  *****
1655 00010830 1655  *  *****
1656 00010840 1656  *  *****
1657 00010850 1657  *  *****
1658 00010860 1658  *  *****
1659 00010870 1659  *  *****
1660 00010880 1660  *  *****
1661 00010890 1661  *  *****
1662 00010900 1662  *  *****
1663 00010910 1663  *  *****
1664 00010920 1664  *  *****
1665 00010930 1665  *  *****
1666 00010940 1666  *  *****
1667 00010950 1667  *  *****
1668 00010960 1668  *  *****
1669 00010970 1669  *  *****
1670 00010980 1670  *  *****
1671 00010990 1671  *  *****
1672 00011000 1672  *  *****
1673 00011010 1673  *  *****
1674 00011020 1674  *  *****
1675 00011030 1675  *  *****
1676 00011040 1676  *  *****
1677 00011050 1677  *  *****
1678 00011060 1678  *  *****
1679 00011070 1679  *  *****
1680 00011080 1680  *  *****

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***** PAGE INIT - MODEL INITIALIZATION ROUTINE *****
 INITA GENERATE 0001115,6PB,2PH,1PF INITIALIZING RACT
 SAVEVALUE CASE+1,XAB CASE NUMBER FOR STATISTICAL TESTING
 ASSIGN 5,MH*REC(1,1),PB NUMBER OF SQUADRON'S
 ASSIGN 6,MH*REC(7,1),PB NUMBER OF A/C TYPES
 TEST E XB*CASE,1,RSTA IS THIS THE FIRST CASE
 INITB SAVEVALUE C04PL,MH*COMPL(3,P85),XB A/C COMPLEMENT
 LOOP SPB,INITX 03 FOR ALL SQUADRONS
 INITY SPLIT 1,RTM,0PB,3PH 70 PERFORM RUN-TIME MODIFICATIONS
 LOOP 0PB,INITX 03 FOR ALL A/C TYPES
 PRIORITY PR,0UFFEX PERFORM ALL RUN-TIME MODIFICATIONS
 ASSIGN 6,MH*REC(7,1),PB NUMBER OF A/C TYPES
 INITX SPLIT 1,INITC TO INITIALIZE SYSTEM MATRICES
 LOOP 0PB,INITX 70 FOR ALL A/C TYPES
 PRIORITY PR,0UFFEX COMPLETE SYSTEM MX INITIALIZATION
 ASSIGN 6,MH*REC(7,1),PB NUMBER OF A/C TYPES
 INITU ASSIGN 1,1,1,PB NUMBER OF DKG. WORK CENTERS
 SPLIT 1,INITX TJ INITIALIZE MHSCALC, OR MH*PHAS-
 SPLIT 1,SPDAA,0PB,4PH,2PF TO INITIALIZE CUMULATIVE
 * MAINT. ACTION RATE MATRICES
 LOOP 0PB,INITX 03 FOR ALL A/C TYPES
 ASSIGN 5,MH*REC(1,1),PB NUMBER OF SQUADRONS
 INITZ SPLIT 1,INITG TO INITIALIZE ACCU. MATRICES
 SPLIT 1,INITI TO INITIALIZE SPARES
 LOOP 0PB,INITX 00 FOR ALL SQUADRONS
 SPLIT 1,INITN TJ INITIALIZE JRG. MANPOWER
 PRIORITY 1,0UFFEX COMPLETE ALL INITIALIZATION
 TERMINATE 1
 INITN ASSIGN 5,MH*REC(1,1),PB NUMBER OF SQUADRONS
 INITU ASSIGN 6,MH*COMPL(2,P85),PB A/C TYPE THIS SQUADRON
 TEST E MH*TYPE(1,PH6),PH 15 SQUADRON OPERATING UNDER
 * CALENDAR MAINTENANCE
 SPLIT 1,CALAA,0PB,1PH CALENDAR MAINTENANCE CONTROL RACT
 LOOP 0PB,INITX 03 FOR ALL SQUADRONS
 TERMINATE
 INITX LOOP
 INITC SAVEVALUE SYSMX,PH*TYPE(2,P85),XB SYSTEM MX INDEX
 ASSIGN 1,MH*TYPE(1,PH6),PH NUMBER OF SUBSYSTEMS
 INITF SAVEVALUE 0001110,X*XB*SYSMX(PH1,2),PH SUBSYSTEM MX INDEX
 ASSIGN 4,0,PB NUMBER OF COLS TO BE INITIALIZED

LINE#	STMT#	IF	DO	BLK#	LOC	OPERATION	A,B,C,D,L,F,G	COMMENTS
00015090	1691				37	SAVEVALUE	CUL,4,XB	STARTING COLUMN NUMBER
00015100	1692				38	INITI ASSIGN	2,MX,XH\$YSM\$(PH1,3),PH ROWS IN SUBSYSTEM MATRIX	
00015110	1693				39	INITI SAVEVALUE	DATA,MH\$X\$SM\$(PH2,XB\$COL),X	DATA TJ RE TRANSFERRED
00015120	1694				40	TEST LE	VB\$INIT1,XH\$RTM3,DBG31	IS DATA ELEMENT WITHIN
00015130	1695				41	MSAVEVALUE	XH\$YSM\$(PH1,XB\$COL,XH\$DATA,MX	ADD DATA TO SYSTEM MX RUN
00015140	1696				42	LOOP	2PH,INIT1	DO FOR ALL ROWS
00015150	1697				43	ASSIGN	5,MH\$REC(1,1),PR	NUMBER OF SQUADRONS
00015160	1698				44	INITI TEST E	MH\$COMPL(2,PH5),PB6,INIT1	IS THIS SQUADRON USING THIS A/C TYPE
00015170	1699				45	MSAVEVALUE	SY\$UM,PH5,XB\$COL,MH\$X\$SM\$(PH1,XB\$COL),MX	ADD DATA TO MX\$SY\$UM
00015180	1700				46	LOOP	SPR,INIT1	DO FOR ALL SQUADRONS
00015190	1701				47	SAVEVALUE	CUL,1,XB	NEXT COLUMN NUMBER
00015200	1702				48	LOOP	4PB,INIT1	DO FOR ALL COLUMNS
00015210	1703				49	SAVEVALUE	SBS\$M-,1,XH	DECREMENT SUBSYSTEM MH INDEX
00015220	1704				50	LOOP	1PH,INIT1	DO FOR ALL SUBSYSTEM MATRICES
00015230	1705				51	TERMINATE		
00015240	1706				52	INITI ASSIGN	6,MH\$COMPL(2,PB5),PB	A/C TYPE
00015250	1707				53	SAVEVALUE	SY\$M,MH\$TYPE(2,PB6),X	SYSTEM MX INDEX
00015260	1708				54	ASSIGN	1,MH\$TYPE(1,PB6),PH	NUMBER OF SUBSYSTEMS
00015270	1709				55	INITI SAVEVALUE	SBS\$M,MH\$X\$SM\$(PH1,2),X	SUBSYSTEM MH INDEX
00015280	1710				56	ASSIGN	2,MH\$X\$SM\$(PH1,3),PH NR.	OF ROWS IN SUBSYSTEM MH
00015290	1711				57	INITI TEST E	MH\$COMPL(2,PH5),J,INIT1	IS ROW 21 OF MH\$COMPL BEING USED TO DETERMINE INITIALLY
00015300	1712				58	SAVEVALUE	INIT1,MH\$COMPL(21,PB5),X	INITIALLY OUTFITTED SPARES
00015310	1713				59	MSAVEVALUE	XH\$SBSM\$,PH2,43,XH\$INIT1,MH	INITIALLY OUTFITTED SPARES RFI
00015320	1714				60	LOOP	2PH,INIT1	DO FOR ALL SUBSYSTEM ROWS
00015330	1715				61	LOOP	1PH,INIT1	DO FOR ALL SUBSYSTEMS
00015340	1716				62	TERMINATE		
00015350	1717				63	INITI SAVEVALUE	INIT1,MH\$X\$SBSM\$(PH2,43),X	INITIALLY OUTFITTED SPARES
00015360	1718				64	TRANSFER	,INIT1	
00015370	1719				65	INITI MSAVEVALUE	MH\$COMPL(11,PB5),PH1,1,FN\$INIT1,X	URG. W.C. I.D.
00015380	1720				66	LOOP	1PH,INIT1	DO FOR ALL ROWS
00015390	1721				67	TERMINATE		
00015400	1722				68	INITI MSAVEVALUE	MH\$TYPE(7,PB6),PH1,1,FN\$INIT1,MH	URG. W.C. I.D.
00015410	1723				69	LOOP	1PH,INIT1	DO FOR ALL ROWS
00015420	1724				70	TERMINATE		
00015430	1725				71	TERMINATE		
00015440	1726				72	TERMINATE		
00015450	1727				73	TERMINATE		
00015460	1728				74	TERMINATE		
00015470	1729				75	TERMINATE		
00015480	1730				76	TERMINATE		
00015490	1731				77	TERMINATE		
00015500	1732				78	TERMINATE		
00015510	1733				79	TERMINATE		
00015520	1734				80	TERMINATE		
00015530	1735				81	TERMINATE		
00015540	1736				82	TERMINATE		
00015550	1737				83	TERMINATE		
00015560	1738				84	TERMINATE		
00015570	1739				85	TERMINATE		
00015580	1740				86	TERMINATE		
00015590	1741				87	TERMINATE		
00015600	1742				88	TERMINATE		
00015610	1743				89	TERMINATE		
00015620	1744				90	TERMINATE		
00015630	1745				91	TERMINATE		
00015640	1746				92	TERMINATE		

***** PAGE RTM - RUN TIME MODIFICATION ROUTINE *****

72	RTMA	SAVEVALUE	SY\$X,MH\$TYPE(2,PB6),X	SYSTEM MX INDEX
73	ASSIGN	1,MH\$TYPE(1,PB6),PH	NUMBER OF SUBSYSTEMS	
74	TEST E	MH\$TYPE(3,PB6),,RTMB	IS RUN-TIME MODIFIER OPTION	
75	MSAVEVALUE	XH\$YSM\$,1-PH,14-23,100,MX	NOT OPERATIONAL	
76	TERMINATE			
77	RTMB	ASSIGN	2,MH\$X\$SM\$(PH1,2),PH	SUBSYSTEM MH INDEX
78	ASSIGN	1,PH,PH	LOOPING PH	

LINE#	STMT#	IF	DO	LOC#	OP	OPERATION	A,B,C,D,E,F,G	COMMENTS
00015650	1737			79	ASSIGN	3,10,PH	STARTING COLUMN - M\$SYST_	
00015660	1738			80	ASSIGN	9,PH,RTM1,PH	COLUMN NUMBER - SUBSYSTEM MH	
00015670	1739			81	TEST L	M\$X\$SYSTM(PH1,PB3),J,RTM1	IS INITIAL VALUE	
00015680	1740						NEGATIVE	
00015690	1741			82	SAVEVALUE	RTM2,J,PH	M\$SYST_ MODIFIER = 0	
00015700	1742			83	RTMK	M\$X\$SYSTM(PH1,PB3,XH\$RTM2,PH)	LJAD M\$SYST_	
00015710	1743			84	RTML	3,4,XH\$SYSTM(PH1,3),PH	NUMBER OF ROWS IN SUBSYSTEM MH	
00015720	1744			85	TEST NE	XH\$RTM2,1,PH,RTMD	IS THERE A MODIFIER	
00015730	1745			86	TEST NE	XH\$RTM2,J,PH,RTMC	IS MODIFIER NONZERO	
00015740	1746			87	RTMN	RTM1,V\$RTM1,AF	MODIFIER DATA ELEMENT	
00015750	1747			88	TEST L	XH\$RTM2,1,PH,RTMF	IS MODIFIER LESS THAN 100	
00015760	1748			89	TEST GE	V\$RTM2,5,RTMF	IS ROUND OFF NEEDED	
00015770	1749			90	SAVEVALUE	RTM1,J,PH,AF	ADD ROUND OFF	
00015780	1750			91	RTMF	AF\$RTM1,XH\$RTM3,DB6J	IS VALUE NOT GREATER THAN	
00015790	1751						HALFWORD	
00015800	1752			92	INITIAL	XH\$RTM3,J2767		
00015810	1753			93	MSAVEVALUE	PH2,PH3,PB4,AF\$RTM1,MH	MODIFIED DATA ELEMENT	
00015820	1754			94	LOOP	3PH,RTMN	DO FOR ALL ROWS IN SUBSYSTEM MH	
00015830	1755			95	RTMD	3,J,1,PH	NEXT COLUMN	
00015840	1756			96	LOOP	1PH,RTMG	DO FOR ALL COLUMNS	
00015850	1757			97	LOOP	1PH,RTMB	DO FOR ALL SUBSYSTEMS	
00015860	1758			98	ASSIGN	1,M\$TYPE(1,PB6),PH	NUMBER OF SUBSYSTEMS	
00015870	1759			99	ASSIGN	1,2,PB	LOOPING PB	
00015880	1760			100	RTMD	3,22,PB	STARTING COLUMN - M\$SYST_	
00015890	1761					M\$X\$SYSTM(PH1,PB3),J,RTMH	IS INITIAL VALUE	
00015900	1762						NEGATIVE	
00015910	1763			101	SAVEVALUE	RTM2,J,PH	M\$SYST_ MODIFIER = 0	
00015920	1764			102	MSAVEVALUE	XH\$SYSTM(PH1,PB3,XH\$RTM2,PH)	LJAD M\$SYST_	
00015930	1765			103	ASSIGN	3,J,1,PH	NEXT COLUMN	
00015940	1766			104	LOOP	1PH,RTMD	DO FOR ALL COLUMNS	
00015950	1767			105	LOOP	1PH,RTMP	DO FOR ALL SUBSYSTEMS	
00015960	1768			106	TERMINATE			
00015970	1769			107	RTMH	M\$X\$SYSTM(PH1,PB3),J,RTME	IS INITIAL VALUE ZERO	
00015980	1770			108	TEST L	RTM2,1,PH,PH	MODIFIER = 100 PERCENT	
00015990	1771			109	TRANSFER	RTMH		
00016000	1772			110	TERMINATE			
00016010	1773			111	TEST L	M\$X\$SYSTM(PH1,PB3),J,RTMJ	IS INITIAL VALUE ZERO	
00016020	1774			112	SAVEVALUE	RTM2,1,PH,PH	MODIFIER = 100 PERCENT	
00016030	1775			113	TRANSFER	RTMK		
00016040	1776			114	RTMJ	RTM2,M\$X\$SYSTM(PH1,PB3),PH	MODIFIER = INITIAL VALUE	
00016050	1777			115	TRANSFER	RTML		
00016060	1778			116	MSAVEVALUE	PH2,1-PH3,PB4,J,PH	ZERO OUT THIS COLUMN	
00016070	1779			117	TRANSFER	RTMD		
00016080	1780							
00016090	1781							
00016100	1782							
00016110	1783							
00016120	1784			118	RTA	ASSIGN	1,PH,PH	PAGE 451 - RESTART ROUTINE FOR MULTIPLE RUN STATISTICAL TESTS ****
00016130	1785			119	RTSB	ASSIGN	1,V\$NDP\$RTA,PF	RANDOM NUMBER INDEX
00016140	1786			120	RTSC	SAVEVALUE	RANDOM,PH1,PH	NUMBER OF RANDOM NUMBER DRAWS
00016150	1787			121	LOOP	1PF,RTSC	RANDOM NUMBER	
00016160	1788			122	LOOP	1PH,RTSD	DO FOR ALL RANDOM NUMBERS	
00016170	1789			123	SPLIT	1,RTSD	DO FOR ALL RANDOM NUMBER GENERATORS	
00016180	1790			124	LOOP	PH3,RTSD	DO CLEAR OUTPUT MATRICES	
00016190	1791			125	SPLIT	1,RTSD	DO FOR ALL SUBROUTINES	
00016200	1792				LOOP	PH4,RTSD	DO CLEAR ADDITIONAL OUTPUT MATRICES	
							DO FOR ALL A/C TYPES	

LINE# STATE IF DO BLOCK# QLOC OPERATION A,B,C,D,E,F,G COMMENTS

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00016210 1793 MSAVEVALUE AIMD,1-3,2-9,0,MX CLEAR A14D STATISTICS
00016220 1794 TRANSFER ,INITN
00016230 1795 MSAVEVALUE MHSCOMPL(13,PB5),1-13,1-V9MMMC,0,MX CLEAR MISSION
00016240 1796 STATISTICS
00016250 1797 MSAVEVALUE MHSCOMPL(14,PB5),1-V9REDIR,2-13,0,MX CLEAR
00016260 1798 DISCREPANCY/UTILIZATION STATISTICS
00016270 1799 MSAVEVALUE MHSCOMPL(22,PB5),1-V9REDIR,2-12,0,MX CLEAR
00016280 1800 MISSION CAPABILITY STATISTICS
00016290 1801 MSAVEVALUE MHSCOMPL(11,PB5),1-17,2-23,0,MX CLEAR WORK CENTER
00016300 1802 STATISTICS
00016310 1803 MSAVEVALUE MHSCOMPL(15,PB5),1-V9REDIR,2-37,0,MX CLEAR AM4 REASON
00016320 1804 STATISTICS
00016330 1805 MSAVEVALUE SYSUM,PB5,26-62,0,MX CLEAR SYSTEM SUMMARY
00016340 1806 STATISTICS
00016350 1807 MSAVEVALUE MHSCOMPL(12,PB5),1-3,2,0,MX CLEAR INSPECTIONS BY
00016360 1808 EVENT STATISTICS
00016370 1809 TERMINATE
00016380 1810 RSTI SAVEVALUE RST1,MHSTYPE(2,PB6),MX SYSTEM M4 INDEX
00016390 1811 ASSIGN 1,MHSTYPE(3,PB6),PH NUMBER OF SUBSYSTEM MATRICES
00016400 1812 MSAVEVALUE XHRSST1,1-PH1,26-62,0,MX CLEAR SYSTEM STATISTICS
00016410 1813 SAVEVALUE SUBSM,MKXHXHRSST1(PH1,2),MX SUBSYSTEM MH INDEX
00016420 1814 ASSIGN 2,MKXHXHRSST1(PH1,3),PH NUMBER OF ROWS IN SUBSYSTEM MH
00016430 1815 MSAVEVALUE XH$SUBSM,1-PH2,45-62,0,MX CLEAR SUBSYSTEM
00016440 1816 STATISTICS
00016450 1817 RSTG MSAVEVALUE XH$SUBSM,PH2,44,MH$XHXH$SUBSMH(PH2,43),MH SPARES
00016460 1818 CURRENTLY RFI
00016470 1819 MSAVEVALUE XH$SUBSM,PH2,45,MH$XHXH$SUBSMH(PH2,43),MH 41VIMJH
00016480 1820 LOOP 2PH,RSTG DO FOR ALL ROWS
00016490 1821 LOOP 1PH,RSTF DO FOR ALL SUBSYSTEMS
00016500 1822 MSAVEVALUE MHSTYPE(3,PB6),1-MHSTYPE(41,PB6),2-8,0,MX CLEAR
00016510 1823 SCIR IMPACT STATISTICS
00016520 1824 TERMINATE
00016530 1825
00016540 1826
00016550 1827
00016560 1828
00016570 1829
00016580 1830
00016590 1831
00016600 1832
00016610 1833
00016620 1834
00016630 1835
00016640 1836
00016650 1837
00016660 1838
00016670 1839
00016680 1840
00016690 1841
00016700 1842
00016710 1843
00016720 1844
00016730 1845
00016740 1846
00016750 1847
00016760 1848

**** PAGE SPDA - ROUTINE TO INITIALIZE CUMULATIVE MA RATE MATRICES
SPDA ADVANCE 1 COMPLETE ALL INITIALIZATION
GATE LR SPD 1 LET ONE RACT IN
LOGIC S SPD,1 CLOSE THE GATE
ASSIGN 5,MH$RELOC(1,1),PR NUMBER OF SQUADRONS
SPDA TEST ME MHSCOMPL(2,PB5),PB6,SPDA DOES NOT THIS SQUADRON
USE THIS A/C TYPE
LOOP 5PB,SPDA DO FOR ALL SQUADRONS
TRANSFER ,DUB35
SPDA ASSIGN 3,MHSTYPE(2,PB6),PH SYSTEM M4 INDEX
ASSIGN 1,5,PH NUMBER OF A/C EVENTS
SPDA6 ASSIGN 2,F48FVCUL,PH SUBSYSTEM MH CIL NR. THIS EVENT
TEST ME MH$SYSUM(PB5,PB2),0,SPDA1 NUMBER A/C MA PROB.
THIS EVENT
ASSIGN 4,MHSTYPE(1,PB6),PH NUMBER OF SUBSYSTEMS THIS
A/C TYPE
SPDA6 ASSIGN 1,MK$PH3(PH4,2),PH SUBSYSTEM MH INDEX
ASSIGN 2,MK$PH3(PH4,3),PH NUMBER OF ROWS IN SUBSYSTEM MH
SPDA6 TEST ME MH$PH1(P42,PH2),0,SPDA6 DOES THIS M4 HAVE NUMBER
MA PROBABILITY THIS EVENT

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LINE#	STMT#	IF DO	BLK#	*LOC	OPERATION	A,B,C,D,E,F,G	COMMENTS
00016770	1849				ASSIGN	1,V\$HRA10,PF	WRA ID
00016780	1850				ASSIGN	2,V\$HRT10,PF	NORMALIZED MA RATE
00016790	1851				SPLIT	1,SPDAF,0,PF	WRA XACT THIS EVENT
00016800	1852				MSAVEVALUE	N2SUM,0,PF	COUNT NUMERO WRA5 THIS EVENT
00016810	1853				SPDAE LOOP	2PM,SPDAU	DO FOR ALL ROWS THIS SUBSYSTEM
00016820	1854				LOOP	4PM,SPUAC	DO FOR ALL SUBSYSTEMS THIS A/C TYPE
00016830	1855				PRIORITY	100,BUFFER	PROCESS ALL SPLIT XACTS
00016840	1856				SAVEVALUE	EVCUL,PF2,XB	COLUMN NUMBER - A/C EVENT
00016850	1857				SAVEVALUE	CFRMA,V\$CFRMA,XH	MA INDEX - CUMULATIVE MAINT. ACTION
00016860	1858				SAVEVALUE	SPINT,V\$SPINT,XF	RATES
00016870	1859				SAVEVALUE	CFRUM,1,AX	NORMALIZED INTERVAL WIDTH
00016880	1860				SAVEVALUE	INTN,0,AX	RESET CUM MA ROW NR.
00016890	1861				SAVEVALUE	SPDAG UNLINK	RESET INTERVAL NUMBER
00016900	1862				SPDAG UNLINK	SPDAG,1,SPDAI	FIRST XACT ON CHAIN
00016910	1863				BUFFER	CFRUM,1,AX	PROCESS UNLINKED XACTS
00016920	1864				SAVEVALUE	INTN,1,AX	NEXT MA ROW NUMBER
00016930	1865				TRANSFER	SPDAG	NEXT INTERVAL NUMBER
00016940	1866				SPDAF LINK	SPDAG,2,PF	
00016950	1867				SPDAH TEST ME	CHSPDAG,0,SPDAJ	IS THIS NOT THE LAST XACT ON CHAIN
00016960	1868				SAVEVALUE	BRKPT,V\$BRKPT,XF	CALCULATE BREAKPOINT THIS ROW
00016970	1869				MSAVEVALUE	XHSCFRMA,XHSCFRUM,1,V\$BRKPT,MA	ENTER BREAKPOINT
00016980	1870				MSAVEVALUE	XHSCFRMA,XHSCFRUM,2,PF1,MA	ENTER WRA ID
00016990	1871				TEST E	PF2,AF\$SPINT,SPDAK	IS F.R. EXACTLY ONE INTERVAL
00017000	1872						WIDTH
00017010	1873				MSAVEVALUE	XHSCFRMA,XHSCFRUM,3,PF1,MA	WRA ID
00017020	1874				SPDAK UNLINK	SPDAG,2,SPUAL,1,BACK	LAST XACT ON CHAIN
00017030	1875				TERMINATE		
00017040	1876				SPDAI PRIORITY	115	RESTORE ORIGINAL PRIORITY
00017050	1877				LOOP	1PB,SPDAB	DO FOR ALL A/C EVENTS
00017060	1878				LOGIC K	SPD,1	OPEN THE GATE
00017070	1879				TERMINATE		
00017080	1880				SPDAJ MSAVEVALUE	XHSCFRMA,XHSCFRUM,1,1000000,MA	ENTER BREAKPOINT
00017090	1881				MSAVEVALUE	XHSCFRMA,XHSCFRUM,2-3,PF1,MA	ENTER WRA ID
00017100	1882				TERMINATE		
00017110	1883				SPDAL TEST GE	RINTV,V\$RINTV,XF	REMAINING INTERVAL THIS ROW
00017120	1884				TEST GE	PF2,AF\$KINTV,UBG32	IS REMAINING F.R. AT LEAST
00017130	1885						ONE INTERVAL
00017140	1886				MSAVEVALUE	XHSCFRMA,XHSCFRUM,3,PF1,MA	ENTER WRA I.D.
00017150	1887				ASSIGN	2-3,PF\$RINTV,PF	REDUCE REMAINING F.R.
00017160	1888				TEST G	PF2,3,SPUAM	NUMEROUS REMAINING F.R.
00017170	1889				LINK	SPDAG,2,PF	
00017180	1890				SPDAH TEST C	PF2,3,UBG33	NON-NEGATIVE REMAINING F.R.
00017190	1891				TERMINATE		
00017200	1892						
00017210	1893						
00017220	1894						
00017230	1895						
00017240	1896						
00017250	1897						
00017260	1898						
00017270	1899						
00017280	1900						
00017290	1901						
00017300	1902						
00017310	1903						
00017320	1904						

**** PAGE A - AIRCRAFT GENERATION ROUTINE ****

AIRCRAFT PARAMETERS

* P33 = RACT IDENT. 1 = A/C

* P84 = A/C SERIAL NUMBER

* P85 = SQUALRON IDENT.

* P36 = A/C TYPE

* P87 = LOUPEING PARAMETER

* P88 = CURRENT MISSION CAPABILITY

LINE# STMT# IF DO SLUCK# *LUC OPERATION A,B,C,D,E,F,G COMMENTS

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00017330 1905 * 1 = A
00017340 1906 * 2 = H
00017350 1907 * 3 = C
00017360 1908 * 4 = D
00017370 1909 * 5 = E
00017380 1910 * 6 = F
00017390 1911 * 7 = G
00017400 1912 * 8 = H
00017410 1913 * 10 = J
00017420 1914 * 11 = K
00017430 1915 * 12 = L
00017440 1916 * 26 = Z
00017450 1917 * PB9 = ACTIVITY
00017460 1918 * 1 = BETWEEN FLIGHTS (AVAILABLE FOR MISSION CALL)
00017470 1919 * 2 = PREFLIGHT INSPECTION (GROUND CREW)
00017480 1920 * 3 = AIRCREW INSPECTION
00017490 1921 * 4 = ORDNANCE LOADING
00017500 1922 * 5 = IN FLIGHT
00017510 1923 * 6 = TURNAROUND INSPECTION
00017520 1924 * 8 = DAILY INSPECTION
00017530 1925 * 9 = CALENDAR/PHASED INSPECTION
00017540 1926 * 11 = UNSCHEDULED MAINTENANCE
00017550 1927 * 15 = SELECTED FOR MISSION
00017560 1928 * PB10 = IN-MAINTENANCE FLAG.
00017570 1929 * 0 = RESET WHEN NEW NEED FOR UNSCHEDULED MAINTENANCE OCCURS
00017580 1930 * 1 = SET WHEN A/C ENTERS UNSCHEDULED MAINTENANCE FOLLOWING RESET
00017590 1931 * ADD 1879
00017600 1932 * FF17 = TIME LAST LINE INSPECTION BEGAN/RESUMED
00017610 1933 * PB11 = ORDNANCE LOAD FLAG
00017620 1934 * 0 = DO NOT LOAD OR RECONFIGURE
00017630 1935 * 1 = LOAD ORDNANCE
00017640 1936 * 2 = RECONFIGURE ORDNANCE
00017650 1937 * PB14 = IN-CYCLE MAINTENANCE FLAG
00017660 1938 * PB15 = NEXT PHASED INSPECTION DUE
00017670 1939 * PB16 = SCHEDULED MISSION TYPE
00017680 1940 * PB17 = NOT USED
00017690 1941 * PB16 = SCHEDULED MISSION PRIORITY
00017700 1942 * PB19 = NOT USED
00017710 1943 * PB20 = SCHEDULED MISSION DURATION
00017720 1944 * PB21 = A/C SEQUENCE NUMBER THIS SQUADRON
00017730 1945 * PB22 = MAINTENANCE PRIORITY
00017740 1946 * PB23 = SYSTEM/SUBSYSTEM MATRIX COLUMN - MAINTENANCE ACTION PROBABILITY
00017750 1947 * BY A/C DISCLOSURE
00017760 1948 * PB24 = PREVIOUSLY STANDBY INDICATOR (PB24=1)
00017770 1949 * PB25 = PRESENTLY STANDBY INDICATOR (PB25=1)
00017780 1950 * PB26 = PREVIOUS MISSION TYPE
00017790 1951 * PB27 = MISSION ABORT INDICATOR
00017800 1952 * PB28 = NEW DISCREPANCY INDICATOR
00017810 1953 * PB29 = TOTAL CURRENT DISCREPANCIES THIS A/C
00017820 1954 * PB30 = LAST INSPECTION EVENT
00017830 1955 * PB31 = NEW MISSION CAPABILITY CODE
00017840 1956 * PB34 = A/C LOCATION (CYCLIC OPS ONLY)
00017850 1957 * 1 = HANGAR JACK
00017860 1958 * 2 = FLIGHT JACK
00017870 1959 * 3 = FLIGHT JACK MAINTENANCE SPOT
00017880 1960 * 4 = RESPT IN PROGRESS

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LINE# STAT# IF UD BLOCK# CLUC OPERATION A00C0001.F06 COMMENTS

00017850 1961 * P835 = REPAIR LOCATION (CYCLIC OPS ONLY)
 00017860 1962 * 1 = HANGAR DECK
 00017870 1963 * 2 = EITHER HANGAR OR FLIGHT DECK
 00017880 1964 * P836 = POST-MAINTENANCE CHECK FLIGHT INDICATOR
 00017890 1965 * P837 = DISCREPANCIES AMP THIS A/C
 00017900 1966 * P838 = CALENDAR INSPECTION FLAG
 00017910 1967 * 1 = DUE FOR CALENDAR INSPECTION
 00017920 1968 * 2 = AWAITING RESPT
 00017930 1969 * 3 = INSPECTION IN PROGRESS
 00017940 1970 * P839 = MISSION CAPABILITY PRIOR TO SCHEDULED INSPECTION
 00017950 1971 * P840 = GROUND CREW INSPECTION FLAG
 00017960 1972 * PH40 = 1 - GROUND CREW PREFLIGHT NOT NEEDED
 00017970 1973 * P841 = NUMBER OF NU-SCIR-IMPACT DISCREPANCIES NOT YET RECEIVED
 00017980 1974 * P842 = NUMBER OF NU-SCIR-IMPACT DISCREPANCIES IN WORK
 00017990 1975 * P843 = NUMBER OF NU-SCIR-IMPACT DISCREPANCIES AM4 (REASON CODE 1-8)
 00018000 1976 * P844 = NUMBER OF NU-SCIR-IMPACT DISCREPANCIES AMP
 00018010 1977 * P845 = NUMBER OF ADJ DISCREPANCIES NOT YET RECEIVED
 00018020 1978 * P846 = NOT USED
 00018030 1979 * P847 = NUMBER OF ADJ DISCREPANCIES AM4 (REASON CODE 1-8)
 00018040 1980 * P848 = NOT USED
 00018050 1981 * P849 = NUMBER OF FMC DISCREPANCIES NOT YET RECEIVED
 00018060 1982 * P850 = NUMBER OF FMC DISCREPANCIES IN WORK
 00018070 1983 * P851 = NUMBER OF FMC DISCREPANCIES AM4 (REASON CODE 1-8)
 00018080 1984 * P852 = NUMBER OF FMC DISCREPANCIES AMP
 00018090 1985 * P853 = NUMBER OF FMC DISCREPANCIES NOT YET RECEIVED
 00018100 1986 * P854 = NUMBER OF FMC DISCREPANCIES IN WORK
 00018110 1987 * P855 = NUMBER OF FMC DISCREPANCIES AM4 (REASON CODE 1-8)
 00018120 1988 * P856 = NUMBER OF FMC DISCREPANCIES AMP
 00018130 1989 * P857 = NUMBER OF FMC DISCREPANCIES NOT YET RECEIVED
 00018140 1990 * P858 = NUMBER OF FMC DISCREPANCIES IN WORK
 00018150 1991 * P859 = NUMBER OF FMC DISCREPANCIES AM4 (REASON CODE 1-8)
 00018160 1992 * P860 = NUMBER OF FMC DISCREPANCIES AMP
 00018170 1993 * P861 = NUMBER OF REPAIRS AWAITING CANIBALIZED M4AS
 00018180 1994 *
 00018190 1995 * PH3 = MX INDEX - SYSTEM
 00018200 1996 * PH4 = ROW NUMBER - SYSTEM MX
 00018210 1997 * PH5 = A/C TAIL NUMBER
 00018220 1998 * PH6 = BLOCK I.D. - SUBROUTINE TRANSFER
 00018230 1999 * PH7 = CHAIN INDEX - A/C NOT IN MAINTENANCE
 00018240 2000 * PH8 = SCHEDULED LAUNCH EVENT SEQUENCE NUMBER THIS DAY
 00018250 2001 * PH9 = COLUMN NUMBER - M4GROUPS
 00018260 2002 * PH10 = MX INDEX - LAUNCH TIME MATRIX
 00018270 2003 * PH11 = BLOCK I.D. - SUBROUTINE TRANSFER
 00018280 2004 * PH12 = MX INDEX - ORGANIZATIONAL WORK CENTER STATISTICS (M4S4KCC_1)
 00018290 2005 * PH13 = MX INDEX - INSPECTIONS BY EVENT
 00018300 2006 * PH14 = MX INDEX - MISSION STATISTICS
 00018310 2007 * PH15 = MX INDEX - A/C UTILIZATION SUMMARY
 00018320 2008 * PH16 = BLOCK I.D. - SUBROUTINE TRANSFER
 00018330 2009 * PH17 = MANPOWER REQUIREMENTS (X10)
 00018340 2010 * PH18 = RESIDT TIME
 00018350 2011 * PH19 = SUBSYSTEM MX INDEX
 00018360 2012 * PH20 = M4A NUMBER (SUBSYSTEM MX KDM)
 00018370 2013 * PH21 = QUEUE/STORAGE INDEX - EVENT
 00018380 2014 * PH22 = SCHEDULED MISSION HOLDING CHAIN INDEX
 00018390 2015 * PH23 = MX INDEX - AM4 REASON SUMMARY
 00018400 2016 * PH24 = ORGANIZATIONAL LEVEL TIME TO REPAIR, INSPECT, OR PREPARE A/C

LINE# STATE IF NO BLOCK# QLOC OPERATION A,B,C,D,E,F,G COMMENTS

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00010410 2017 * PH25 = MM INDEX - A/C PREPARATION & INSPECTION
00010420 2018 * PH26 = CHAIN INDEX - A/C IN MAINTENANCE
00010430 2019 * PH27 = GROUP INDEX - CURRENT DISCREPANCIES THIS SQUADRON
00010440 2020 * PH28 = CHAIN INDEX - CURRENT DISCREPANCIES THIS SQUADRON
00010450 2021 * PH29 = CHAIN INDEX - REPAIRS IN WORK THIS SQUADRON
00010460 2022 * PH30 = CHAIN INDEX - REPAIRS AMY THIS SQUADRON
00010470 2023 * PH31 = CHAIN INDEX - REPAIRS AMP THIS SQUADRON
00010480 2024 * PH32 = CHAIN INDEX - DEFERRED REPAIRS THIS SQUADRON
00010490 2025 * PH33 = BLOCK I.D. - SURROUTINE TRANSFER
00010500 2026 * PH34 = GROUP INDEX - A/C IN MAINTENANCE
00010510 2027 * PH35 = BLOCK I.D. - UNLINK DESTINATION
00010520 2028 * PH36 = MM INDEX - CALENDAR OR PHASED INSPECTION DEFINITION
00010530 2029 * PH37 = FLIGHT TIME UNTIL NEXT PHASED INSPECTION DUE
00010540 2030 * PH38 = MX INDEX - SCIR IMPACT SUMMARY BY EDC
00010550 2031 * PH39 = MB INDEX - DAILY AIR PLAN
00010560 2032 * PH40 = SCHEDULED MAINTENANCE DURATION
00010570 2033 * PH41 = PRIMARY WORK CENTER I.D.
00010580 2034 * PH42 = QUEUE/STORAGE INDEX - WORK CENTER
00010590 2035 * PH43 = BLOCK I.D. - TRANSFER
00010600 2036 * PH44 = MX INDEX - SCIR MISSION CAPABILITY SUMMARY
00010610 2037 * PH45 = SCHEDULED OR STANDBY MISSION LAUNCH EVENT A/C PREPARED FOR BUT
00010620 2038 * NOT LAUNCHED
00010630 2039
00010640 2040 * PF3 = SCHEDULED LAUNCH TIME
00010650 2041 * PF4 = LAUNCH SERIAL NUMBER
00010660 2042 * PF5 = MISSION SERIAL NUMBER
00010670 2043 * PF6 = LAUNCH WINDOW EXPIRATION TIME
00010680 2044 * PF7 = TEMPORARY LAUNCH WINDOW EXPIRATION TIME
00010690 2045 * PF8 = TIME STATUS LAST UPDATE
00010700 2046 * PF9 = TIME SCIR STATISTICS LAST UPDATED
00010710 2047 * PF10 = TIME LAST LAUNCHED
00010720 2048 * PF11 = TIME LAST LANDED
00010730 2049 * PF12 = TIME A/C LAST BECAME NOT MISSION CAPABLE
00010740 2050 * PF13 = TIME LAST GROUND CREW TURNAROUND OR PREFLIGHT INSPECTION
00010750 2051 * COMPLETED
00010760 2052 * PF14 = TIME LAST DAILY INSPECTION COMPLETED
00010770 2053 * PF15 = TIME MAINTENANCE LAST COMPLETED
00010780 2054 * PF16 = 'CUMER' A/C DESIGNATED MISSION SERIAL NUMBER
00010790 2055 *****
235 AAA GENERATE 0009J,17PF,45PH,61PB INITIAL A/C COMPLEMENT
236 GATE LR ACEN A/C GENERATION GATE
237 ASSIGN 3,1,PH XACT IDENT
238 JOIN ACFT A/C GROUP
239 ASSIGN 9,MSAAA,PB A/C SERIAL NUMBER
240 TEST F PH,MSCOMPL,AAE THIS IS THE LAST A/C IN COMPLEMENT
241 LOGIC S ACEN CLOSE A/C GENERATION GATE
242 LINK WORK1,FIFD TEMPORARY CHAIN
243 GENERATE 001,8,0,1PB CONTROL AACT
244 ASSIGN 1,MSRECEC(1,1),PB NR. OF SQUADRONS (LOOPING PARAM)
245 AAD SAVEVALUE SJDRN,1,PB SQUADRON NUMBER
246 UNLINK WORK1,AC,MMHCOMPL(3,MSBSQRN) A/C THIS SQUADRON
247 SAVFVALUE WORK1,C,10 RESET
248 HUFFER IPB,AD PROCESS UNLINKED XACTS
249 LOOP IPB,AD REPEAT FOR NEXT SQUADRON
250 TERMINATE 5,MSBSQRN,PB SQUADRON IDENT
251 AAC ASSIGN
252

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FILE: ATENCUPS

LINE# STMT# IF DO BLOCK# *LUC OPERATION ADDRESS COMMENTS

00018970	2573		ASSIGN	6,MHSCUMPL(2,PB5),PB	A/C TYPE
00018980	2574		ASSIGN	3,MHSTYPL(2,PB6),PH	MA INDEX - SYSTEM
00018990	2575		SAVEVALUE	WTK1+,1,X0	COUNT A/C THIS SQUADRON
00019000	2576		ASSIGN	21,X09WTK1,P0	A/C SEQUENCE NUMBER THIS SQUADRON
00019010	2577		ASSIGN	5,V5TAIL,PH	A/C TAIL NUMBER
00019020	2578		JOIN	MHICRP(6,PB5)	A/C TYPE
00019030	2579		JOIN	MHICRP(7,PB5)	A/C SQUADRON
00019040	2580		TEST E	RVSCYUPS,1,AAH	CYCLIC OPS
00019050	2581		ASSIGN	1,J,LTMC,PH	MA INDEX - LAUNCH TIMES
00019060	2582		ASSIGN	12,MHSCUMPL(11,PB5),PH	MA INDEX - URG. WORK CENTER STATISTICS
00019070	2583		ASSIGN	13,MHSCUMPL(12,PB5),PH	MA INDEX - INSPECTIONS BY EVENT
00019080	2584		ASSIGN	14,MHSCUMPL(13,PB5),PH	MA INDEX - MISSION STATISTICS
00019090	2585		ASSIGN	15,MHSCUMPL(14,PB5),PH	MA INDEX - UTILIZATION STATISTICS
00019100	2586		MSAVEVALUE	PH15,P021,1,PH5,MX	ENTER TAIL NR. INTO MH\$UTIL-
00019110	2587		ASSIGN	23,MHSCUMPL(15,PB5),PH	MA INDEX - AMM REASON SUMMARY
00019120	2588		MSAVEVALUE	PH23,P021,1,PH5,MX	ENTER TAIL NUMBER INTO MH\$AMMR
00019130	2589		ASSIGN	34,MH\$TYPE(13,PB6),PH	MA INDEX - SCIR IMPACT SUMMARY
00019140	2590		ASSIGN	44,MHSCUMPL(22,PB5),PH	MA INDEX - SCIR MISSION CAPABILITY SUMMARY
00019150	2591		MSAVEVALUE	PH44,P021,1,PH5,MX	ENTER TAIL NR. INTO MH\$MCP-
00019160	2592		ASSIGN	7,MHSCMA(6,PB5),PH	CHAIN INDEX - A/C NOT IN MAINTENANCE
00019170	2593		ASSIGN	25,MH\$TYPE(4,PB6),PH	MA INDEX - A/C PREP. & INSP.
00019180	2594		ASSIGN	26,MHSCMA(2,PB5),PH	CHAIN INDEX - A/C IN MAINTENANCE
00019190	2595		ASSIGN	27,MHSCRP(1,PB5),PH	GROUP INDEX - CURRENT DISCREPANCIES THIS SQUADRON
00019200	2596		ASSIGN	28,MHSCMA(1,PB5),PH	CHAIN INDEX - CURRENT DISCREPANCIES THIS SQUADRON
00019210	2597		ASSIGN	29,MHSCMA(9,PB5),PH	CHAIN INDEX - REPAIRS IN WORK
00019220	2598		ASSIGN	30,MHSCMA(12,PB5),PH	CHAIN INDEX - REPAIRS AMM
00019230	2599		ASSIGN	31,MHSCMA(10,PB5),PH	CHAIN INDEX - REPAIRS AMP
00019240	2600		ASSIGN	32,MHSCMA(11,PB5),PH	CHAIN INDEX - DEFERRED REPAIRS
00019250	2601		ASSIGN	34,MHSCRP(2,PB5),PH	GROUP INDEX - A/C IN MAINTENANCE
00019260	2602		ASSIGN	11,V\$DUALIM,PF	INITIALIZE
00019270	2603		ASSIGN	14-15,V\$JALIM,PF	INITIALIZE
00019280	2604		JOIN	MHSCRP(9,PB5)	DPC A/C
00019290	2605		ASSIGN	0,1,PB	SET MISSION CAPABILITY - A (DPC)
00019300	2606		MSAVEVALUE	PH44,P021,1,PH5,MX	UPDATE MH\$MCP-
00019310	2607		ASSIGN	9,1,PH	A/C IS AVAILABLE FOR LAUNCH
00019320	2608		ASSIGN	36,MH\$TYPE(7,PB6),PH	MA INDEX - CALENDAR OR PHASED INSPECTION
00019330	2609		TEST E	MH\$TYPE(5,PB6),2,AAH	OPERATING UNDER PHASED MAINT.
00019340	2610		ASSIGN	37,V\$TPHAS,PH	FLIGHT TIME UNTIL NEXT PHASED INSP.
00019350	2611		ASSIGN	15,V\$PPHAS,PB	NEXT PHASED INSPECTION DUE
00019360	2612		TEST E	RVSCYUPS,1,AAJ	CYCLIC OPS
00019370	2613		GATE SNF	MH\$TD(41,PB5),AAJ	IS HANGAR DECK SPACE AVAILABLE
00019380	2614		ENTER	MH\$TD(41,PB5)	GET HANGAR DECK SPACE
00019390	2615		ASSIGN	34,1,PB	LOCATION - HANGAR DECK
00019400	2616		LINK	PH7,PH	A/C NOT IN MAINTENANCE
00019410	2617		ASSIGN	34,2,PB	LOCATION - FLIGHT DECK
00019420	2618		ASSIGN	PH7,PH	A/C NOT IN MAINTENANCE

LINE#	STMT#	IF DO	BLOCK#	PLUC	OPERATION	A,B,C,D,E,F,G	COMMENTS
00019530	2129		259	AAH	ASSIGN	10,MH\$COMPL(23,PB5),PH	MM INDEX - LAUNCH TIMES
00019540	2130		259	TRANSFER	AAI		
00019550	2131						
00019560	2132						
00019570	2133						
00019580	2134						
00019590	2135						
00019600	2136						
00019610	2137						
00019620	2138						
00019630	2139						
00019640	2140						
00019650	2141						
00019660	2142						
00019670	2143						
00019680	2144						
00019690	2145						
00019700	2146						
00019710	2147						
00019720	2148						
00019730	2149						
00019740	2150						
00019750	2151						
00019760	2152						
00019770	2153						
00019780	2154						
00019790	2155						
00019800	2156						
00019810	2157						
00019820	2158						
00019830	2159						
00019840	2160						
00019850	2161						
00019860	2162						
00019870	2163						
00019880	2164						
00019890	2165						
00019900	2166						
00019910	2167						
00019920	2168						
00019930	2169						
00019940	2170						
00019950	2171						
00019960	2172						
00019970	2173						
00019980	2174						
00019990	2175						
00020000	2176						
00020010	2177						
00020020	2178						
00020030	2179						
00020040	2180						
00020050	2181						
00020060	2182						
00020070	2183						
00020080	2184						

***** PAGE APLA - DAILY AIR PLAN ROUTINE *****
 APLAA GENERATE 0,1,1,1,0,0,0,PH,11PH,20PF CO,ATKUL XACT
 ASSIGN 0,2,0,PH IDENT, PB3=2 - SCHEDULING XACT
 TEST L BVSCYUPS,1,APLAB CYCLIC OPS
 ASSIGN 1,0,LTIMC,PH MM INDEX - LAUNCH TIMES
 SAVEDVALJE ADHM,PM1,0,MM MM INDEX - LAUNCH TIMES
 TRANSFER ADHM,2,0,MM RM4 NUMBER - 1ST LAUNCH
 ASSIGN SBR,ADVCA,CPH DETERMINE TIME OF FIRST LAUNCH
 ASSIGN 0,PH\$ADGUL,PH CCLJMN NUMBER - MH\$OPS
 SPLIT 2,0,V\$LNCT1,PF TIME OF FIRST LAUNCH
 ADVANCE 1,0,APLAD AIR PLAN XACT
 TRANSFER XH\$ADVNC TIME OF FIRST LAUNCH
 ASSIGN 0,APLAB
 SPLIT 0,XH\$NEGI,PB TO SERIALIZE SPLIT XACTS
 TERMINATE MH\$XREC(1,1),APLAE,SPB ONE XACT PER SQUADRON
 ASSIGN 1,0,MH\$COMPL(23,PB5),PH MM INDEX - LAUNCH TIME
 TRANSFER 0,APLAB
 TEST L BVSCYUPS,1,APLAF CYCLIC OPS
 GATE LR APLC LET 1 XACT IN
 LOGIC S APLC CLOSE THE GATE
 PRIORITY 75
 ASSIGN 0,0,0,NEGI,PB TO SERIALIZE SPLIT XACTS
 SPLIT MH\$XREC(1,1),APLAG,SPB ONE XACT PER SQUADRON
 ADVANCE V\$FLTQ CALL FLIGHT QUARTERS
 LOGIC S FLTQ FLIGHT QUARTERS
 LOGIC S KSPMQ OK TO RESPT A/C
 UNLINK SPDTQ,APLAI,ALL A/C AWAITING RESPT
 ASSIGN V\$LNCT1 1ST LAUNCH EVENT
 TEST L 0,1,PH 1ST LAUNCH EVENT
 SAVEDVALJE PH0,0,PH10(1,PH9),APLAK IS THIS NOT THE LAST LAUNCH
 TRANSFER ADHM,V\$LRUM,0,MM RM4 NUMBER - LAUNCH TIME MM
 ASSIGN SBR,TOLA,11PH DETERMINE TIME TO NEXT LAUNCH EVENT
 ADVANCE 0,0,1,PH NEXT LAUNCH EVENT NUMBER
 TRANSFER XH\$TBL TIME OF NEXT LAUNCH
 APLAI TRANSFER 0,APLAI
 APLAF TRANSFER PH,11
 GATE LR PH5
 LOGIC S PH5
 PRIORITY 75
 ADVANCE V\$CALL1 CALL DAILY INSPECTION
 SPLIT 1,0,MGA,0,2,0,PH,14PH,0,PF MISSION SCHEDULING XACT
 SPLIT 1,0,DAILA,0,0,PH,1PH DAILY INSPECTION XACT
 TEST L BVSCYUPS,1,APLAB CYCLIC OPS
 TERMINATE
 ADVANCE 1
 TEST E HVSCYUPS,1,APLAM WAIT ONE CLOCK UNIT
 LOGIC R APLC CYCLIC OPS
 ASSIGN 0,XH\$NEGI,PB OPEN THE GATE
 SPLIT MH\$XREC(1,1),APLAD,SPB TO SERIALIZE SPLIT XACTS
 WITH DISCREPANCIES TO UNSCHEDULED

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LINE# STMT# IF DO BLOCK# *LDC OPERATION A,B,C,D,E,F,G COMMENTS

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00020640 2241 ***** PAGE SMG - SCHEDULED MISSION ROUTINE *****
00020650 2242
00020660 2243 MISSION PARAMETERS
00020670 2244 * P83 = XACT IDENT.
00020680 2245 2 = MISSION CALLING
00020690 2246 3 = STANDBY A/C CALLING
00020700 2247 * P84 = NUMBER OF SQUADRONS
00020710 2248 * P85 = SQUADRON IDENT.
00020720 2249 * P86 = A/C TYPE
00020730 2250 * P87 = LOOPING PARAMETER
00020740 2251 * P88 = LOWEST PRIORITY MISSION FLAG
00020750 2252 * P89 = MISSION PRIORITY, 1=LOWEST, 5=HIGHEST
00020760 2253 * P810 = NUMBER OF ALERT A/C (LOOPING PARAMETER)
00020770 2254 * P811 = NUMBER OF STANDBY A/C (LOOPING PARAMETER)
00020780 2255 * P812 = MINIMUM NUMBER OF A/C NEEDED TO AVOID MISSION CANCELLATION
00020790 2256 * P813 = MISSION DURATION (LAUNCH CYCLES)
00020800 2257 * P814 = CURRENT VALUE OF P810
00020810 2258 * P815 = WHERE FROM FLAG, IF P810 = 0, XACT CAME FROM SMGI
00020820 2259 IF P810 = 1, XACT CAME FROM SMSAM
00020830 2260 * P816 = MISSION TYPE
00020840 2261 * P817 = MISSION DURATION
00020850 2262 * P818 = NUMBER OF ALERT A/C CALLED
00020860 2263 * P819 = NUMBER OF STANDBY A/C CALLED
00020870 2264 * P820 = NUMBER OF ALERT A/C AVAILABLE AT LAUNCH
00020880 2265 * P821 = NUMBER OF STANDBY A/C AVAILABLE AT LAUNCH
00020890 2266 * P822 = MISSION SATISFACTION CODE
00020900 2267 1 = MISSION REQUIREMENTS SATISFIED
00020910 2268 2 = MISSION CANCELLED - INSUFFICIENT A/C AVAILABLE AT CALL TIME
00020920 2269 3 = MINIMUM A/C OBTAINED OR POTENTIALLY AVAILABLE - KEEP TRYING
00020930 2270
00020940 2271 * P83 = NOT USED
00020950 2272 * P84 = CHAIN INDEX - A/C IN MAINTENANCE
00020960 2273 * P85 = CHAIN INDEX - MISSION SELECTION HOLDING
00020970 2274 * P86 = MM INDEX - A/C PREPARATION & INSPECTION
00020980 2275 * P87 = CHAIN INDEX - A/C NOT IN MAINTENANCE THIS SQUADRON
00020990 2276 * P88 = LAUNCH EVENT SEQUENCE NUMBER THIS DAY
00021000 2277 * P89 = COLUMN NUMBER - MH60PS
00021010 2278 * P810 = MM INDEX - LAUNCH TIME MATRIX
00021020 2279 * P811 = BLOCK I.D. - SUBROUTINE TRANSFER
00021030 2280 * P812 = A/C MISSION PREPARATION TIME
00021040 2281 * P813 = MM INDEX - AIR PLAN
00021050 2282 * P814 = MA INDEX - MISSION STATISTICS
00021060 2283
00021070 2284 * P82 = TIME OF FIRST LAUNCH
00021080 2285 * P83 = SCHEDULED LAUNCH TIME THIS MISSION
00021090 2286 * P84 = LAUNCH SERIAL NUMBER
00021100 2287 * P85 = MISSION SERIAL NUMBER
00021110 2288 * P86 = LAUNCH WINDOW EXPIRATION TIME
00021120 2289 *****
00021130 2290 SGA PRIORITY 51
00021140 2291 ASSIGN 0,MH60PS(12,P85),PH A/C TYPE
00021150 2292 ASSIGN 0,MH60PS(12,P85),PH MM INDEX - A/C PREP. & INSP.
00021160 2293 ASSIGN 1,MH60PS(12,P85),PH MM INDEX - AIR PLAN
00021170 2294 ASSIGN 1,MH60PS(12,P85),PH MA INDEX - MISSION STATISTICS
00021180 2295 ASSIGN 1,MH60PS(12,P85),PH CHAIN INDEX - A/C IN MAINT.
00021190 2296 ASSIGN 1,MH60PS(12,P85),PH CHAIN INDEX - A/C NOT IN MAINT
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LINE# STMT# IF TO BLOCK# PLUG OPERATION A,B,C,D,E,F,G COMMENTS

00021160	2297		357	SMGD	ASSIGN	PH12,PH	RESET LAUNCH COUNTER
00021170	2298		358		TEST L	PH12,PH,PH13(1,PH9)	SMGR MORE LAUNCHES THIS DAY
00021180	2299		359		ASSIGN	PH12,PH	NEAT LAUNCH EVENT NR.
00021190	2300		370		SAVEVALUE	LAUNCH,1,AF	LAUNCH SERIAL NUMBER
00021200	2301		371		ASSIGN	PH12,PH,PH13(1,PH9)	LAUNCH SERIAL NUMBER
00021210	2302		372		SAVEVALUE	ADVAL,PH,PH13(1,PH9)	AD VAL. TIME OF FIRST LAUNCH
00021220	2303		373		SAVEVALUE	ADVAL,PH,PH13(1,PH9)	AD VAL. TIME OF FIRST LAUNCH
00021230	2304		374		SAVEVALUE	ADVAL,PH,PH13(1,PH9)	AD VAL. TIME OF FIRST LAUNCH
00021240	2305		375		SAVEVALUE	ADVAL,PH,PH13(1,PH9)	AD VAL. TIME OF FIRST LAUNCH
00021250	2306		376		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021260	2307		377		INDEX	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021270	2308		378	SMGG	ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021280	2309		379		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021290	2310		380		TEST G	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021300	2311		381		SAVEVALUE	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021310	2312		382		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021320	2313		383		SAVEVALUE	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021330	2314		384		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021340	2315		385		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021350	2316		386		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021360	2317		387		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021370	2318		388		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021380	2319		389		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021390	2320		390		TEST L	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021400	2321		391		TEST E	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021410	2322		392		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021420	2323		393		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021430	2324		394		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021440	2325		395	SMGD	SAVEVALUE	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021450	2326		396		TRANSFER	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021460	2327		397		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021470	2328		398		LOOP	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021480	2329		399	SMCK	INDEX	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021490	2330		400		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021500	2331		401		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021510	2332		402		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021520	2333		403		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021530	2334		404		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021540	2335		405		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021550	2336		406		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021560	2337		407		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021570	2338		408		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021580	2339		409		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021590	2340		410		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021600	2341		411		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021610	2342		412		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021620	2343		413		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021630	2344		414		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021640	2345		415		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021650	2346		416		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021660	2347		417		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021670	2348		418		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021680	2349		419		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021690	2350		420		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021700	2351		421		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH
00021710	2352		422		ASSIGN	PH12,PH	AD VAL. TIME OF FIRST LAUNCH

LINE#	STMT#	IF	UD	BLKCH#	*LOC	OPERATION	A,B,C,D,E,F,G	COMMENTS
00021720	2353			417		ASSIGN	17,2013,PB	MISSION DURATION
00021730	2354			418		TRANSFER	SMGK	
00021740	2355			419	SMGJ	GATE LS	FLTY	WAIT UNTIL FLIGHT QUANTERS
00021750	2356			420		UNLINK	SPUTQ,SMGE,ALL,SPB	A/C AWAITING RESPUT
00021760	2357			421		PUFFLP		PROCESS A/C XACT
00021770	2358			422		UNLINK	PH7,SMGL,ALL,BVAKSPFI	RESPUT AVAILABLE A/C TO FLIGHT DECK
00021780	2359			423		TERMINATE		
00021790	2360			424	SMGF	ADVANCE	VSCALL2	CALL A/C FOR MISSION
00021800	2361			425		GATE LR	SMG1	LET 1 XACT IN
00021810	2362			426		LOGIC S	SMG1	CLOSE THE GATE
00021820	2363			427	SMGD	UNLINK	MISNS,SMG1,ALL,PPF	MISSIONS THIS SQUADRON THIS LAUNCH
00021830	2364			428		UNLINK	SMG1,SMG2,1,5PB,DMG53	MISSION SCHEDULING XACT
00021840	2365			429		LINK	SMGLD,PFIFU	HOLDING CHAIN
00021850	2366			430	SMGC	ASSIGN	3,2,PB	XACT 1,0, - MISSION CALLING
00021860	2367			431		TEST G	PB11,0,SMGB	ANY STANDBY A/C NEEDED THIS MISSION
00021870	2368			432		ASSIGN	19,PB11,PB	SCHEDULED THIS LAUNCH
00021880	2369			433		SPLIT	1,SMGH	NUMBER OF STANDBY A/C
00021890	2370			434	SMGB	LINK	MISNS,PFIFU	STANDBY A/C CALLING XACT
00021900	2371			435	SMGH	ASSIGN	3,3,PB	PENDING MISSIONS
00021910	2372			436		LINK	SBYCK,PFIFU	XACT IDENT. PB3=3 - STANDBY A/C CALLING XACT
00021920	2373			437	SMGI	MSAVEVALUE	PH14,1,PB16,1,MA	STANDBY A/C CALLING XACTS THIS DAY
00021930	2374			438		MSAVEVALUE	PH14,1,1,MMHMC,1,MA	MISSIONS SCHEDULED THIS TYPE
00021940	2375			439		MSAVEVALUE	PH14,1,1,PB16,PB10,MA	TOTAL MISSIONS SCHEDULED
00021950	2376			440		MSAVEVALUE	PH14,1,1,MMHMC,PB10,MA	MISSION TYPE
00021960	2377			441		ASSIGN	15,1,PB	TOTAL SORTIES SCHEDULED
00021970	2378			442		TEST E	MSMGU,0,SMGAA	WHERE FROM FLAG
00021980	2379			443		ASSIGN	8,1,PB	IS THIS THE LOWEST PRIORITY MISSION
00021990	2380			444		TRANSFER	SMGAA	FLAG THIS PARAM.
00022000	2381			445	SMGL	ASSIGN	16,MMSCOMPL(10,PB5),PM	RESPUT TIME
00022010	2382			446		TRANSFER	SMK,MSPPA,11PH	RESPUT TO FLIGHT DECK
00022020	2383			447		LINK	PH7,SPB	A/C NOT IN MAINTENANCE
00022030	2384			448	SMGE	TRANSFER	PH,11	
00022040	2385			449		UNLINK	PH7,SMGAA,ALL,36PB,1	A/C REQUIRING CHECK FLIGHT
00022050	2386			450	SMGAL	SAVEVALUE	MSER,PPF5,XF	MISSION SERIAL NUMBER
00022060	2387			451		SAVEVALUE	MTYP,PH16,XB	SCHEDULED MISSION TYPE
00022070	2388			452		SAVEVALUE	MPR,PH5,XH	MISSION PRIORITY
00022080	2389			453		SAVEVALUE	PREP,PH6,XH	MI INDEX - A/C PREPARATION
00022090	2390			454		ASSIGN	12,V8TPR2,PH	MINIMUM A/C PREPARATION TIME
00022100	2391			455		ALTER	MSGRPT(7,PB5),ALL	LAUNCH WINDOW
00022110	2392			456				LAUNCH TIME TO
00022120	2393			457				
00022130	2394			458				
00022140	2395			459				
00022150	2396			460				
00022160	2397			461				
00022170	2398			462				
00022180	2399			463				
00022190	2400			464				
00022200	2401			465				
00022210	2402			466				
00022220	2403			467				
00022230	2404			468				
00022240	2405			469				
00022250	2406			470				
00022260	2407			471				
00022270	2408			472				

**** PAGE SM - MISSION SELECTION ROUTINE ****

SMGAA GATE LR SMSAI LET 1 XACT IN

LOGIC S SMSAI CLOSE THE GATE

JOIN SMSAI TO COMMUNICATE WITH SELECTED A/C

SAVEVALUE MPR,PH5,XH WHERE FROM FLAG

TEST E BV8CUPS,1,SMGAA CYCLIC OPS

TEST E PMB,MSRDP(11,PH9),SMGAA LAUNCH EVENT FOR CHECK FLIGHTS

UNLINK PH7,SMGAA,ALL,36PB,1 A/C REQUIRING CHECK FLIGHT

SMGAL SAVEVALUE MSER,PPF5,XF MISSION SERIAL NUMBER

SAVEVALUE MTYP,PH16,XB SCHEDULED MISSION TYPE

SAVEVALUE MPR,PH5,XH MISSION PRIORITY

SAVEVALUE PREP,PH6,XH MI INDEX - A/C PREPARATION

ASSIGN 12,V8TPR2,PH MINIMUM A/C PREPARATION TIME

ALTER MSGRPT(7,PB5),ALL LAUNCH WINDOW

LINE#	SYMB#	IF	UD	9LUC#	PLUC	OPERATION	A,B,C,D,E,F,G	COMMENTS
00022270	2419					ASSIGN	14,PB10,PB	SQUADRON
00022271	2410					SMSAU UNLINK	PH7,SMSAU,1,BVSAVALP,,SMSAV	SAVE CURRENT VALUE OF PB10 TRY TO GLT 1 A/C
00022272	2411							CAPABLE THIS MISSION
00022273	2412							PROCESS UNLINKED XACT
00022274	2413					BUFFER	17PB,SMSAD	TRY FOR ALL NEEDED A/C
00022275	2414					LOOP	22,1,PB	MISSION REQUIREMENTS MET
00022276	2415					ASSIGN	SHYCR,SACAA,1,3PF	STANDBY A/C CALLING XACT
00022277	2416					UNLINK	PH5,SMSA=ALL	A/C OBTAINED
00022278	2417					UNLINK		PROCESS UNLINKED XACT(S)
00022279	2418					SMSAR BUFFER	XRMRFKM,,SMSAF	MISSION CALL TIME
00022280	2419					SMSAP TEST E	PB8,1,SMSAF	IS THIS THE LOWEST PRIORITY MISSION
00022281	2420					TEST E		THIS LAUNCH
00022282	2421					UNLINK	SMHLD,SMJAG,1,4PF,,SJG55	MISSION SCHEDULING XACT THIS LAUNCH
00022283	2422							
00022284	2423					SMSAF LOGIC R	SMSA1	OPEN THE GATE
00022285	2424					REMOVE	SMSA1	
00022286	2425					TEST NE	PB22,2,S4S6F	MISSION NOT CANCELLED
00022287	2426					TEST L	PB22,1,S4SAM	MISSION REQUIREMENTS SATISFIED
00022288	2427					SCAN	PLNCH,5PF,PF5,,SMSBG	DOES LAUNCH XACT EXIST
00022289	2428					TERMINATE		
00022290	2429					SMSBG SPLIT	1,SMSAU	LAUNCH XACT
00022291	2430					SMSRF TERMINATE		
00022292	2431					SMSAU ASSIGN	9,15,PB	ACTIVITY = SELECTED FOR MISSION
00022293	2432					ASSIGN	11,SMSAL,PH	BLOCK DESIGNATION IF A/C NOT USED
00022294	2433					TRANSFER	SMSAB	
00022295	2434					UNLINK	PH4,SMSA4,1,MVSAVALU,,SMSAC	TRY A/C IN MAINTENANCE
00022296	2435					TRANSFER	SMSAX	
00022297	2436					ASSIGN	9,15,PB	ACTIVITY = SELECTED FOR MISSION
00022298	2437					ASSIGN	11,SMSA1,PH	BLOCK DESIGNATION IF A/C NOT USED
00022299	2438					TRANSFER	SMSAR	
00022300	2439					TEST E	XRMRFKM,,SMSAE	MISSION CALL TIME
00022301	2440					MSAVEVALUE	PH14,,5,AB\$MTYP,1,MK	A/C READY WHEN CALLED THIS
00022302	2441							MISSION TYPE
00022303	2442					MSAVEVALUE	PH14,,5,V\$MMHC,1,MK	TOTAL A/C READY WHEN CALLED
00022304	2443					ASSIGN	24-25,0,PB	RESET
00022305	2444					ASSIGN	5,KF\$MSE,PF	TENTATIVE MISSION SERIAL NUMBER
00022306	2445					LINK	FN\$HOLD,8PB	MISSION HOLDING CHAIN - ORDERED BY
00022307	2446							MISSION CAPABILITY
00022308	2447					SMSAC ASSIGN	14,PB10,PB	SAVE CURRENT VALUE OF PB10
00022309	2448					SMSBC UNLINK	LNJ1,SM\$B0,1,RV\$CUNT,,SMSRE	POTENTIAL "CDMR" A/C IN TURNGROUND INSP.
00022310	2449							
00022311	2450					BUFFER		PROCESS UNLINKED XACT
00022312	2451					LOOP	17PB,SMSJC	TRY FOR ALL NEEDED A/C
00022313	2452					TRANSFER	SMSAJ	
00022314	2453					ASSIGN	14,PB10,PH	SAVE CURRENT VALUE OF PB10
00022315	2454					UNLINK	PH4,SMSA1,1,MV\$CUNT,,SMSAJ	POTENTIAL "CDMR" A/C IN UNSCHEDULED MAINT.
00022316	2455							
00022317	2456					BUFFER		PROCESS UNLINKED XACT
00022318	2457					LOOP	14,PB10,PB	UD FOR ALL NEEDED A/C
00022319	2458					TEST L	V\$ACMT,PB12,SMSAT	WERE INSUFFICIENT A/C OBTAINED TO FLY A MINIMUM
00022320	2459							MISSION
00022321	2460					UNLINK	PH5,SMSA,ALL,5PF,,S4SAM	A/C OBTAINED
00022322	2461					UNLINK	SBYCR,SMSAN,1,5PF	STANDBY A/C CALLING XACT THIS
00022323	2462							MISSION
00022324	2463							

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LINE#	STMT#	IF	DO	BLOCK#	LOC	OPERATION	A,B,C,D,E,F,G	COMMENTS
00022760	2455			507	BUFFER			PROCESS UNLINKED XACT
00022760	2456			508	MSAVEVALUE	PH14,2,PR16,1,MX		MISSION REQUIREMENTS NOT MET THIS MISSION TYPE
00022760	2457			509	MSAVEVALUE	PH14,2,VMHMC,1,MX		TOTAL TIMES MISSION REQUIREMENTS NOT MET
00022760	2458			510	MSAVEVALUE	PH14,12,PR16,1,MX		MISSIONS CANCELLED THIS TYPE
00022760	2459			511	MSAVEVALUE	PH14,12,VMHMC,1,MX		TOTAL MISSIONS CANCELLED
00022760	2460			512	ASSIGN	22,2,PH		MISSION CANCELLED
00022760	2461			513	ALTER	MSHGR(7,PH5),ALL,16PF,0,16PF,PF5		RELEASE "COMER" A/C
00022760	2462			514	TRANSFER	SMSAP		
00022760	2463			515	SCAN	SMSA1,5PH,PH5,3PF,3PF,3PF,3PF		SCHEDULED LAUNCH TIME
00022760	2464			516	SCAN	SMSA1,5PH,PH5,3PF,3PF,3PF,3PF		SCHEDULED LAUNCH TIME
00022760	2465			517	SCAN	SMSA1,5PH,PH5,3PF,3PF,3PF,3PF		LAUNCH SERIAL NUMBER
00022760	2466			518	SCAN	SMSA1,5PH,PH5,3PF,3PF,3PF,3PF		MISSION SERIAL NUMBER
00022760	2467			519	SCAN	SMSA1,5PH,PH5,3PF,3PF,3PF,3PF		LAUNCH WINDOW EXPIRATION TIME
00022760	2468			520	SCAN	SMSA1,5PH,PH5,3PF,3PF,3PF,3PF		LAUNCH EVENT NUMBER
00022760	2469			521	SCAN	SMSA1,5PH,PH5,3PF,3PF,3PF,3PF		AIR PLAN INDEX NUMBER
00022760	2470			522	SCAN	SMSA1,5PH,PH5,3PF,3PF,3PF,3PF		COLUMN NUMBER - MMSOPS
00022760	2471			523	TEST ME	PH36,1,SM5BA		NOT A CHECK FLIGHT
00022760	2472			524	SCAN	SMSA1,5PH,PH5,3PF,3PF,3PF,3PF		MISSION TYPE
00022760	2473			525	SCAN	SMSA1,5PH,PH5,3PF,3PF,3PF,3PF		MISSION PRIORITY
00022760	2474			526	SCAN	SMSA1,5PH,PH5,3PF,3PF,3PF,3PF		MISSION DURATION
00022760	2475			527	ASSIGN	16,1,PF		CLEAR THIS PARAM.
00022760	2476			528	TEST E	SV8CYDPS,1,PRPAA		LYCLIC DPS
00022760	2477			529	TEST E	PH34,1,PRPAA		IS A/C ON MANGAR DECK
00022760	2478			530	ASSIGN	19,MH9LUMPL(16,PH5),PH		WESPOD TIME
00022760	2479			531	TRANSFER	SBR,RSPPA,11PH		RESPOT TO FLIGHT DECK
00022760	2480			532	TRANSFER	PRPAA		
00022760	2481			533	ASSIGN	16,V8CHKFL,PH		MISSION TYPE = CHECK FLIGHT
00022760	2482			534	ASSIGN	20,MH9DPS(16,PH1),PH		FLIGHT DURATION
00022760	2483			535	TRANSFER	SMSAZ		
00022760	2484			536	SMSAG	LOGIC K		OPEN THE GATE
00022760	2485			537	SMSAU	JOIN		
00022760	2486			538	ADVANCE			PENDING LAUNCHES
00022760	2487			539	TRANSFER	PH22,3,SM5BH		SCHEDULED LAUNCH TIME
00022760	2488			540	TEST E	PH12,V8TTL,SM5BH		SUFFICIENT A/C FOR MINIMUM MISSION
00022760	2489			541	SCAN	PLNCH,5PF,PF5,0,0,SM5B1		STILL TIME TO MAKE SCHEDULED LAUNCH
00022760	2490			542	TEST L	PH12,V8TTL,SM5B8		DOES LAUNCH XACT EXIST
00022760	2491			543	ASSIGN	10,PH14,PH		STILL TIME TO MAKE THE LAUNCH
00022760	2492			544	ADVANCE			A/C STILL NEEDED
00022760	2493			545	ASSIGN	15,1,PH		WHERE FROM FLAG
00022760	2494			546	TRANSFER	SM5AA		LET 1 XACT IN
00022760	2495			547	LINK	PH25,24PH		ACTIVITY = UNSCHEDULED MAINTENANCE
00022760	2496			548	ASSIGN	9,1,PH		A/C IN MAINTENANCE
00022760	2497			549	LINK	PH47,3PF		ACTIVITY = AVAILABLE FOR MISSION
00022760	2498			550	ASSIGN	PH14,3,PR16,1,MX		A/C NOT IN MAINTENANCE
00022760	2499			551	TRANSFER	PH14,3,VMHMC,1,MX		TIRES NO A/C AVAILABLE THIS MISSION
00022760	2500			552	ASSIGN			TYPE WHEN CALLED
00022760	2501			553	TRANSFER	PH14,3,VMHMC,1,MX		TOTAL TIMES NO A/C AVAILABLE
00022760	2502			554	TRANSFER	SM5AS		WHEN CALLED
00022760	2503			555	UNLINK	SM5BA,SM5AN,1,5PF		STANDBY A/C CALLING XACT THIS MISSION
00022760	2504			556	UNLINK			
00022760	2505			557	UNLINK			
00022760	2506			558	UNLINK			
00022760	2507			559	UNLINK			
00022760	2508			560	UNLINK			
00022760	2509			561	UNLINK			
00022760	2510			562	UNLINK			
00022760	2511			563	UNLINK			
00022760	2512			564	UNLINK			
00022760	2513			565	UNLINK			
00022760	2514			566	UNLINK			
00022760	2515			567	UNLINK			
00022760	2516			568	UNLINK			
00022760	2517			569	UNLINK			
00022760	2518			570	UNLINK			
00022760	2519			571	UNLINK			
00022760	2520			572	UNLINK			

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LINE#	STAT#	IF	BLK#	PLUC	OPERATION	A,B,C,D,E,F,G	COMMENTS
00023260	2521			SMSAN	TERMINATE		
00023261	2522			SMSBI	SPLIT	1,SMSAU	LAUNCH XACT
00023262	2523			SMSBI	TRANSFER	PH5,SMSDH	
00023270	2524			SMSAT	UNLINK	PH5,SMSA:ALL	A/C OBTAINED
00023271	2525			SMSAT	ASSIGN	22,3,PH	SUFFICIENT A/C FOR MINIMUM MISSION
00023272	2526						KEEP TRYING
00023300	2527			SMSAR	TRANSFER	PH,11	
00023310	2528			SMSAY	TRANSFER	16,AFANSER,PF	MISSION SERIAL NUMBER
00023311	2529			SMSBD	ASSIGN	LIN01,FIFO	A/C IN INSPECTION
00023320	2530				LINK		
00023330	2531						
00023340	2532						
00023350	2533						
00023360	2534						
00023370	2535						
00023380	2536						
00023390	2537						
00023400	2538						
00023410	2539						
00023420	2540						
00023430	2541						
00023440	2542						
00023450	2543						
00023460	2544						
00023470	2545						
00023480	2546						
00023490	2547						
00023500	2548						
00023510	2549						
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00023530	2551						
00023540	2552						
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00023570	2555						
00023580	2556						
00023590	2557						
00023600	2558						
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00023630	2561						
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00023670	2565						
00023680	2566						
00023690	2567						
00023700	2568						
00023710	2569						
00023720	2570						
00023730	2571						
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00023750	2573						
00023760	2574						
00023770	2575						
00023780	2576						
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00023810	2579						
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00023830	2581						
00023840	2582						
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00023960	2594						
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00023990	2597						
00024000	2598						
00024010	2599						
00024020	2600						
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00024080	2606						
00024090	2607						
00024100	2608						
00024110	2609						
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00024130	2611						
00024140	2612						
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00024160	2614						
00024170	2615						
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00024320	2630						
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00024340	2632						
00024350	2633						
00024360	2634						
00024370	2635						
00024380	2636						
00024390	2637						
00024400	2638						
00024410	2639						
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LINE# STMT# IF DO BLKCB #LOC OPERATION A,B,C,D,E,F,G COMMENTS

00023770	2577		633	TRANSFER	SACAI					
00023780	2578		634	SACAF	TEST E	P911,PB13,SACAG	ARE NO STANDBY A/C AVAILABLE			
00023790	2579		635	MSAVEVALUE	PH14,9,PB16,1,MX		TIMES NO STANDBY A/C THIS MISSION			
00023800	2580						TYPE AVAILABLE WHEN CALLED			
00023810	2581		635	MSAVEVALUE	PH14,9,V8HMC,1,MX		TOTAL TIMES NO STANDBY A/C			
00023820	2582						AVAILABLE			
00023830	2583		637	SACAG	TERMINATE					
00023840	2584									
00023850	2585									
00023860	2586									
00023870	2587									
00023880	2588		638	PRPAA	ASSIGN	11,3,PB	RESET			
00023890	2589		639	TEST NE	PH36,1,PKPAF		IS THIS NOT A CHECK FLIGHT			
00023900	2590		610	TEST E	V8URDL,1,PKPAC		IS A/C LACKING ORDNANCE			
00023910	2591		611	PKPAI	SAVEVALUE	MTVP,PB16,XB	SCHEDULED MISSION TYPE			
00023920	2592		612	TEST NE	MH0PH25(V8URDL,2),0,PPAD		IS ORDNANCE NEEDED THIS			
00023930	2593						MISSION			
00023940	2594		613	ASSIGN	11,1,PB		LOAD ORDNANCE			
00023950	2595		614	PRPAU	TEST E	V8PREP3,1,PPRAG	IS GROUND CREW PREFLIGHT NEEDED			
00023960	2596		615	PKPAF	ASSIGN	9,2,PB	ACTIVITY = PREFLIGHT INSPECTION			
00023970	2597		616	TRANSFER	SAR,11NA,11PH		LINE INSPECTION			
00023980	2598		617	ASSIGN	30,2,PB		LAST INSPECTION = GROUND CREW			
00023990	2599						(PREFLIGHT)			
00024000	2600		618	MARK	13PF		TIME LAST GROUND CREW PREFLIGHT			
00024010	2601		619	ASSIGN	40,1,PB		COMPLETED			
00024020	2602						GROUND CREW PREFLIGHT NOT NEEDED			
00024030	2603						FLAG			
00024040	2604		620	ASSIGN	23,4,PB		SYSTEM/SUBSYSTEM MATRIX COLUMN =			
00024050	2605						WHEN DISCOVERED = GROUND CREW INSP.			
00024060	2606		621	TRANSFER	SAR,DISAA,11PH		TEST FOR DISCREPANCIES			
00024070	2607		622	TEST E	PH28,0,PPRAL		ARE THERE NO NEW DISCREPANCIES			
00024080	2608		623	PRPAG	ASSIGN	1,0,PB	RESET			
00024090	2609		624	TEST NE	PB11,0,PPRAM		IS ORDNANCE LOAD NEEDED			
00024100	2610		625	SPLIT	1,PKPBB,1PB		TO PERFORM ORDNANCE LOAD			
00024110	2611		626	PRPAM	ASSIGN	9,3,PB	ACTIVITY = AIRCREW INSPECTION			
00024120	2612		627	ADVANCE	MH0PH25(2,3)		AIR CREW INSPECTION			
00024130	2613		628	TEST E	PB1,1,PPRAM		HAS ORDNANCE LOAD NEEDED			
00024140	2614		629	PKPAJ	GATHER	2	WAIT FOR BOTH EVENTS			
00024150	2615		630	TEST E	PH1,1,PPRAZ		IS THIS THE ORIGINAL A/C XACT			
00024160	2616		631	PRPAM	MSAVEVALUE	PH13,3,2,1,MH	INSPECTIONS BY EVENT			
00024170	2617		632	ASSIGN	3,0,PB		RESET			
00024180	2618		633	ASSIGN	23,0,PB		SYSTEM/SUBSYSTEM MATRIX COLUMN =			
00024190	2619						WHEN DISCOVERED = AIRCREW INSP.			
00024200	2620		534	TRANSFER	SAR,DISAA,11PH		TEST FOR DISCREPANCIES			
00024210	2621		635	TEST E	PH23,0,PPRBC		ARE THERE NO NEW DISCREPANCIES			
00024220	2622		636	PRPBD	ASSIGN	11,0,PB	RESET			
00024230	2623		637	ASSIGN	3,0,PB		LAST INSPECTION = AIRCREW			
00024240	2624		539	TEST LE	CL,PF6,PKPAP		HAS LAUNCH WINDOW NOT YET EXPIRED			
00024250	2625		639	TEST E	PH36,1,PPRAM		IS THIS A CHECK FLIGHT			
00024260	2626		640	TEST E	MVSCYOPS,1,FLTA		CYCLIC OPS			
00024270	2627		641	ADVANCE	VSTTL		SCHEDULED LAUNCH TIME			
00024280	2628		642	TRANSFER	FLTA					
00024290	2629		643	PKPAC	TEST E	V8PREP3,1,PPPAI	HAS PREVIOUS MISSION SCHEDULED FOR			
00024300	2630						PRECEDING LAUNCH EVENT			
00024310	2631						IS CURRENT MISSION NOT SAME AS			
00024320	2632		644	TEST NE	PH15,PR20,PPPAD		PRECEDING MISSION			

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LINE# STATE IF DO BLUCL# QLOC OPERATION A,B,C,D,E,F,G COMMENTS

00024334	2633			ASSIGN	11,2,PB	RECONFIGURE A/C
00024340	2634			TRANSFER	PRPAD	
00024350	2635		PKPAL	ASSIGN	11,PKPAG,PH	BLACK DESTINATION
00024360	2636			TRANSFER	PRPAK	
00024370	2637		PKPAP	TEST F	PH30,1,PKPAB	IS THIS A CHECK FLIGHT A/C
00024380	2638			TEST F	HVSCYOPS,1,FLTA	CYCLIC OPS
00024390	2639		PKPAP	TEST E	BVSAVALF,1,PKPAY	CAN A/C NOT FLY ALL MISSION TYPES
00024400	2640			TRANSFER	SR,CPBA,33PH	DETERMINE REMAINING MISSION CAPABILITY
00024410	2641			TEST E	XBSCAP,1,USAAA	CAN A/C FLY AT LEAST 1 REMAINING MISSION
00024420	2642			ASSIGN	9,1,PB	ACTIVITY - AVAILABLE FOR MISSION
00024430	2643		PRPAY	LINK	PH7,PHR	A/C NOT IN MAINTENANCE
00024440	2644			ASSIGN	45,PH	RESET
00024450	2645		PRPAN	SCAN	PLNCH,5PF,PF5,PRPAY	IS LAUNCH STILL PENDING
00024460	2646			TEST NE	PH25,1,PKPAD	IS THIS NOT A STANDBY A/C
00024470	2647			LINK	LYCH,FIFU	A/C AWAITING LAUNCH
00024480	2648		PPPAD	LINK	STBY,FIFU	STANDBY A/C
00024490	2649		PRPAK	TRANSFER	SR,UPDA,16PH	UPDATE SCIR STATISTICS
00024500	2650			TEST NE	PH31,PH8,PRPAQ	WAS THERE A STATUS CHANGE
00024510	2651			TRANSFER	SR,CHMCA,16PH	UPDATE A/C MISSION CAPABILITY
00024520	2652			SAVEVALUE	MTYP,PH16,XB	SCHEDULED MISSION TYPE
00024530	2653			TEST E	BVSAVALM,1,PRPAU	IS A/C STILL CAPABLE THIS MISSION
00024540	2654			TRANSFER	PH,11	
00024550	2655		PRPAU	TEST NE	PH36,1,PKPAV	IS THIS NOT A CHECK FLIGHT A/C
00024560	2656			SPLIT	1,PRPAS	TRY FOR REPLACEMENT A/C
00024570	2657		PRPAV	ASSIGN	24-25,0,PB	RESET
00024580	2658			ASSIGN	45,0,PH	RESET
00024590	2659			TEST E	PH9,3,USAAA	IS A/C IN AIR CREW INSPECTION
00024600	2660			ASSIGN	27,1,PB	SET ABORT INDICATOR
00024610	2661			MSAVEVALUE	PH14,13,PH16,1,MX	GROUND ABORTS THIS MISSION TYPE
00024620	2662			TRANSFER	PH14,13,VNMHC,1,MX	TOTAL GROUND ABORTS
00024630	2663			TEST LE	USAAA	
00024640	2664		PRPAV	SAVEVALUE	CL,PF6,PKPAZ	HAS LAUNCH WINDOW NOT YET EXPIRED
00024650	2665		PRPBA	SAVEVALUE	PREP,PH25,XH	WH INDEX - A/C PREPARATION
00024660	2666			SAVEVALUE	MTYP,PH10,XB	SCHEDULED MISSION TYPE
00024670	2667			SAVEVALUE	PREP,PH25,XH	WH INDEX - A/C PREPARATION
00024680	2668			ASSIGN	1,VSTPKP2,PH	MINIMUM A/C PREPARATION TIME
00024690	2669			SCAN	PLNCH,5PF,PF5,PRPAZ	IS LAUNCH STILL PENDING
00024700	2670			TEST GE	VSTILM,PH1,PKPAZ	STILL TIME TO MAKE THIS LAUNCH
00024710	2671			GATE LR	PRPAI	LET 1 XACT IN
00024720	2672			LUGIC S	PRPAI	CLUSE THE GATE
00024730	2673			SAVEVALUE	MTYP,PH10,XB	MISSION TYPE
00024740	2674			ALTER	MHSURP(7,PH5),ALL,7PF,PF6	GIVE LAUNCH WINDOW EXPIRATION TIME TO
00024750	2675			UNLINK	PH7,PKPAT,1,0VSAVALP,PRPAE	TRY FOR A READY A/C
00024760	2676			JOIN	PRPAI	REPLACEMENT
00024770	2677			PRIORITY	PRPAI	TO COMMUNICATE WITH UNLINKED XACT
00024780	2678			REMOVE	PRPAI	PROCESS ALL XACTS
00024790	2679			LUGIC K	PRPAI	OPEN THE GATE
00024800	2680			TERMINATE	PH26,PKPAT,1,0VSAVALP,PKPA4	TRY FOR A MISSION
00024810	2681			UNLINK		CAPABLE A/C IN MAINT.

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ADDRESS	DATA	OPERATION	COMMENT
2659	00020890	TRANSFER	PRPBE
2660	00020900	LOGIC R	PRPAI
2691	00020910	ADVANCE	1
2692	00020920	TRANSFER	PRPBA
2693	00020930	SCAN	PRPAI,5PB,PR5,10PH,13PB MISSION TYPE
2694	00020940	SCAN	PRPAI,5PB,PR5,10PH,13PB MISSION PRIORITY
2695	00020950	SCAN	PRPAI,5PB,PR5,20PB,23PB MISSION JURATION
2696	00020960	SCAN	PRPAI,5PB,PR5,3PF,3PF GET SCHEDULED LAUNCH TIME
2697	00020970	SCAN	PRPAI,5PB,PR5,4PF,4PF GET LAUNCH SERIAL NUMBER
2698	00020980	SCAN	PRPAI,5PB,PR5,5PF,5PF GET MISSION SERIAL NUMBER
2699	00020990	SCAN	PRPAI,5PB,PR5,6PF,6PF GET LAUNCH WINDOW EXPIRATION TIME
2700	00021000	SCAN	PRPAI,5PB,PR5,39PH,39PH AIR PLAN INDEX NUMBER
2701	00021010	SCAN	PRPAI,5PB,PR5,9PH,9PH COLUMN NUMBER - MH\$UPS
2702	00021020	SCAN	PRPAI,5PB,PR5,8PH,8PH LAUNCH EVENT NUMBER
2703	00021030	SCAN	PRPAI,5PB,PR5,25PH,25PB GET STANDBY INDICATOR
2704	00021040	TEST F	PR25,0,PRPAX IS THIS A/C NOT REPLACING A STANDBY
2705	00021050	ASSIGN	24,0,0PB RESET
2706	00021060	ASSIGN	16,0,0PF CLEAR THIS PARAM.
2707	12/10/72	TEST E	BVSCYPS,1,PRPAA CYCLIC UPS
2708	12/10/72	TEST E	PR39,1,PRPAA IS A/C ON MANGAR DECK
2709	00021080	ASSIGN	16,MH\$COMPL(16,PR5),PH RESPUT TIME
2710	12/10/72	TRANSFER	SR,RSPPA,11PH RESPUT TO FLIGHT DECK
2711	00021090	TRANSFER	PRPAA
2712	00021100	ASSIGN	9,0,0PB ACTIVITY - URDVANCE LOAD
2713	00021110	TRANSFER	SR,LINA,11PH URDVANCE LOAD
2714	00021120	TRANSFER	PRPAJ
2715	00021130	ASSIGN	11,0,0PBD,PH BLOCK DESTINATION
2716	00021140	TRANSFER	PRPAK
2717	00021150	TRANSFER	
2718	00021160	TRANSFER	
2719	00021170	TRANSFER	
2720	00021180	TRANSFER	
2721	00021190	TRANSFER	
2722	00021200	TRANSFER	
2723	00021210	TRANSFER	
2724	00021220	TRANSFER	
2725	00021230	TRANSFER	
2726	00021240	TRANSFER	
2727	00021250	TRANSFER	
2728	00021260	TRANSFER	
2729	00021270	TRANSFER	
2730	00021280	TRANSFER	
2731	00021290	TRANSFER	
2732	00021300	TRANSFER	
2733	00021310	TRANSFER	
2734	00021320	TRANSFER	
2735	00021330	TRANSFER	
2736	00021340	TRANSFER	
2737	00021350	TRANSFER	
2738	00021360	TRANSFER	
2739	00021370	TRANSFER	
2740	00021380	TRANSFER	
2741	00021390	TRANSFER	
2742	00021400	TRANSFER	
2743	00021410	TRANSFER	
2744	00021420	TRANSFER	

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LINE# STMT# IF DO BLUCC# PLUC OPERATION A,B,C,D,E,F,G COMMENTS

00025430	2745			UNLINK	STBY,LNCHM,V888YMS,5PF	SEND STANDBY A/C TO LAUNCH CHAIN
00025440	2746	*		LNCHM BUFFER		PROCESS UNLINKED XACTS
00025450	2747			TRANSFER	LNCHM	
00025460	2748			LNCHM LINK	STBY,FIF,J	STANDBY A/C CHAIN
00025470	2749			LNCHM ASSIGN	24,70PH	RESET
00025480	2750			MSAVEVALUE	PH14+,11,PB10+,1,MX	SORTIES THIS MISSION TYPE
00025490	2751	*				FLDM BY STANDBY A/C
00025500	2752			MSAVEVALUE	PH14+,11,V888MHC,1,MX	TOTAL SORTIES FLDM BY
00025510	2753	*		LINK	LNCHM,FIFU	STANDBY A/C
00025520	2754			LNCHU TEST L	PB2+,PB12+,LNCHP	A/C AWAITING LAUNCH
00025530	2755	*		TEST E	C1,PF6+,LNCHK	INSUFFICIENT A/C AVAILABLE TO FLY
00025540	2756			LNCHM MSAVEVALUE	PH14+,12,PB10+,1,MX	A MINIMUM MISSION
00025550	2757	*				HAS LAUNCH WINDOW EXPIRED
00025560	2758			LNCHM MSAVEVALUE	PH14+,12,PB10+,1,MX	MISSIONS CANCELLED -
00025570	2759	*				INSUFFICIENT A/C AVAILABLE
00025580	2760	*				THIS MISSION TYPE
00025590	2761	*		MSAVEVALUE	PH14+,12,V888MHC,1,MX	TOTAL MISSIONS CANCELLED -
00025600	2762			UNLINK	LNCHM,LNCHM,ALL,5PF	INSUFFICIENT A/C AVAILABLE
00025610	2763	*		UNLINK	STBY,LNCHM,ALL,5PF	A/C AWAITING LAUNCH
00025620	2764			TEST NE	PF6,PF3+,LNCHS	STANDBY A/C THIS LAUNCH
00025630	2765			MSAVEVALUE	PH14+,21,PB10+,1,MX	WAS THERE A LAUNCH WINDOW
00025640	2766	*				MISSIONS CANCELLED THIS
00025650	2767	*				MISSION TYPE - LAUNCH WINDOW
00025660	2768	*				EXPIRED
00025670	2769	*		MSAVEVALUE	PH14+,21,V888MHC,1,MX	TOTAL MISSIONS CANCELLED -
00025680	2770	*		LNCHM REMOVE	PLNCH	LAUNCH WINDOW EXPIRED
00025690	2771			LOGIC R	LNCHM	PENDING LAUNCHES
00025700	2772			TERMINATE		OPEN THE GATE
00025710	2773			LNCHM LOGIC R	LNCHM	OPEN THE GATE
00025720	2774			ADVANCE	1	
00025730	2775			TRANSFER	LNCHM	
00025740	2776			LNCHM TEST E	BVSVALF,0+,LNCHJ	CAN A/C NOT FLY ALL MISSION TYPES
00025750	2777			TRANSFER	504,CPHA,3,3PH	DETERMINE REMAINING MISSION
00025760	2778	*				CAPABILITY
00025770	2779	*		TEST E	XB8MCP,1,USAAA	CAN A/C FLY AT LEAST 1 REMAINING
00025780	2780	*				MISSION
00025790	2781	*		LNCHM ASSIGN	9,1,PH	ACTIVITY - AVAILABLE FOR MISSION
00025800	2782			ASSIGN	45,PHB,PH	CURRENT LAUNCH EVENT NUMBER
00025810	2783			ASSIGN	26,PB10,PH	CURRENT MISSION TYPE
00025820	2784			LINK	PH7,3PO	A/C NOT IN MAINTENANCE
00025830	2785			LNCHU TEST 6E	PB21,V888YMN,LNCHM	ARE SUFFICIENT STANDBY A/C
00025840	2786	*				AVAILABLE TO FLY A MINIMUM
00025850	2787	*				MISSION
00025860	2788	*		LNCHP MSAVEVALUE	PH14+,10,PB10+,1,MX	MISSIONS THIS TYPE FLDM
00025870	2789			MSAVEVALUE	PH14+,10,V888MHC,1,MX	WITH REDUCED NUMBER OF A/C
00025880	2790	*				TOTAL MISSIONS FLDM WITH
00025890	2791			UNLINK	STBY,LNCHM,ALL,5PF	REDUCED NUMBER OF A/C
00025900	2792	*				SEND STANDBY A/C TO LAUNCH
00025910	2793	*				CHAIN
00025920	2794			TRANSFER	LNCHM	
00025930	2795			ASSIGN	25,70PE	RESET
00025940	2796			ASSIGN	24,1,PH	A/C WAS PREVIOUSLY A STANDBY
00025950	2797	*		TRANSFER	LNCHM	
00025960	2798	*				
00025970	2799	*				
00025980	2800	*				

LINE# STATE IF UD BLOCK# *LOC OPERATION A,B,C,D,E,F,G COMMENTS

0002590 2601
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**** PAGE FLT - SORTIE ROUTINE ****
FLTA ASSIGN 9,5,PB ACTIVITY, 5-IN FLIGHT
ASSIGN 24-25,CPB RESET
ENTER AIR IN FLIGHT
ENTER MH\$STO(4),PB5 IN FLIGHT THIS SQUADRON
MARK 1,PF TIME LAUNCHED
TEST L MH\$SUNK(3),CF,SETC *ISI* CHECK THE ROM NO.
FSETR SAVEVALUE SURD(1),X *ISI* INCREMENT THE ROM NO.
MSAVEVALUE SURC1,MH\$SUR(4),X,SORC(1),MX *ISI* STORE LAUNCH T
MSAVEVALUE PH14*,6,PB16,1,MX SORTIES LAUNCHED THIS MISSION TYPE
MSAVEVALUE PH14*,6,V\$MMMC,1,MX TOTAL SORTIES LAUNCHED
TEST E PB3,1,FLTB IS A/C OPC
MSAVEVALUE PH14*,19,PB16,1,MX A/C OPC AT LAUNCH THIS MISSION
TYPE
FLTK ASSIGN PH14*,19,V\$MMMC,1,MX TOTAL A/C OPC AT LAUNCH
23,9,PB SYSTEM/SUBSYSTEM MATRIX COLUMN -
WHEN DISCOVERED - IN FLIGHT
TRANSFER SBR,DISAA,1,PH TEST FOR DISCREPANCIES
TABULATE MH\$TAB(1),PB5 INFLIGHT DISCREPANCIES
TEST E PB28,1,FLTB NO NEW DISCREPANCIES
MSAVEVALUE PH14*,7,PB16,1,MX SORTIES COMPLETED WITHOUT
DISCREPANCIES THIS MISSION
TYPE
MSAVEVALUE PH14*,7,V\$MMMC,1,MX TOTAL SORTIES COMPLETED
WITHOUT DISCREPANCIES
FLTC ADVANCE PB2, FLY MISSION
FLTD MSAVEVALUE PH14*,6,PB16,MPIOPF,MX TOTAL FLYING TIME THIS
MISSION TYPE
MSAVEVALUE PH14*,6,V\$MMMC,MPIOPF,MX TOTAL SQUADRON FLYING
TIME
MARK 1,PF TIME LANDED
LEAVE MH\$STO(4),PB5 IN FLIGHT THIS SQUADRON
LEAVE AIR IN FLIGHT
ASSIGN 34,2,PB A/C IS ON FLIGHT DECK
ASSIGN 36,1,PB RESET
TEST NE PB28,1,FLTB ANY NEW DISCREPANCIES
SAVEVALUE TALNF,PB1,XB TAIL NUMBER THIS A/C
SAVEVALUE TLAU,PF1,XF TIME LAUNCHED
UNLINK PH23,FLTB,ALL,0V\$INFID IN-FLIGHT DISCREPANCIES THIS
A/C
PRIORITY 3,0,SUFEX PROCESS UNLINKED KACT(S)
PRIORITY 9, NORMAL PRIORITY
TRANSFER SBR,UPDAA,1,PH UPDATE SCIR STATISTICS
TEST NE PB31,PB8,FLTB UID STATUS CHANGE OCCUR
TRANSFER SBR,CHMCA,1,PH UPDATE A/C MISSION CAPABILITY
FLTE MSAVEVALUE PH15*,PB1,1,1,MX SORTIES THIS A/C
MSAVEVALUE PH15*,V\$KEDIR,1,1,4X TOTAL SORTIES THIS SQUADRON
MSAVEVALUE PH15*,PB1,1,1,MPIOPF,MX FLIGHT TIME THIS A/C
MSAVEVALUE PH15*,V\$KEDIR,1,1,MPIOPF,MX TOTAL SQDN FLIGHT TIME
MSAVEVALUE PH14*,FN,PIR11,V\$MMMC,1,MX TIMES RECOVERED THIS
STATUS THIS MISSION TYPE
TEST E MH\$TYPE(1),PB5,2,FLTB OPERATING UNDER PHASED MAINT.
THIS STATUS

GPSS/W VM/37 RELEASE 1.0 (AY192)

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FILE: ATENCOPS

LJME# STATE IF DO ALLCAB *LUC OPERATION A,B,C,D,E,F,G COMMENTS

LJME#	STATE	IF DO	ALLCAB	*LUC	OPERATION	A,B,C,D,E,F,G	COMMENTS
0020520	2857				ASSIGN	37-MPIUPF,PH	FLIGHT TIME UNTIL NEXT PHASED INSP.
0020530	2858				TRANSFER	*PFAA	
0020540	2859				TEST I	PH27,1,FLTC	NID AIR ASKUT JCCUR
0020550	2860				MSAVEVALUE	PH14,14,PHB10,1,MX	AIR ABORTS THIS MISSION TYPE
0020560	2861				ADVANCE	PH14,14,PHMHC,1,MA	TOTAL AIR ABORTS
0020570	2862				TRANSFER	MP1,PF	RETURN TO CARRIER
0020580	2863				MARK	*FLTD	
0020590	2864				TRANSFER	2PF	CHANGE CREATION TIME
0020600	2865				LINK	SR,ANA,11PH	REPAIR ANALYSIS
0020610	2866				FSETC	PHB,14PH	DISCREPANCIES THIS SQUADRON
0020620	2867				SAVEVALUE	SURNO,C,4H *151*	RESET THE ROM NO.
0020630	2868				TRANSFER	SRCD,1,1XB *151*	INC. THE CUL. NO.
0020640	2869				TRANSFER	*FSETN *151*	SET THE ROM NO.
0020650	2870						
0020660	2871						
0020670	2872						
0020680	2873						
0020690	2874						
0020700	2875						
0020710	2876						
0020720	2877						
0020730	2878						
0020740	2879						
0020750	2880						
0020760	2881						
0020770	2882						
0020780	2883						
0020790	2884						
0020800	2885						
0020810	2886						
0020820	2887						
0020830	2888						
0020840	2889						
0020850	2890						
0020860	2891						
0020870	2892						
0020880	2893						
0020890	2894						
0020900	2895						
0020910	2896						
0020920	2897						
0020930	2898						
0020940	2899						
0020950	2900						
0020960	2901						
0020970	2902						
0020980	2903						
0020990	2904						
0021000	2905						
0021010	2906						
0021020	2907						
0021030	2908						
0021040	2909						
0021050	2910						
0021060	2911						
0021070	2912						

LINE# STATE IF DO BLOCK# *LOC OPERATION A-B-C-D-E-F-G COMMENTS

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00027050 2913 ***** PAGE ICM - IN-CYCLE FLIGHT DECK MAINTENANCE ROUTINE *****
00027060 2914 * PAGE ICM - DETERMINE POSSIBILITY OF IN-CYCLE MAINTENANCE
00027070 2915 ICM#A GATE LR ICM#1 LET 1 XACT IN
00027080 2916 LOGIC S ICM#1 CLOSE THE GATE
00027090 2917 LOGIC R ICM#2 RESET
00027100 2918 SAVEVALUE ICM#1,0,XB RESET GROUND CREW PREFLIGHT NOT
00027110 2919 ASSIGN * 1,0,PE NEEDED FLAG
00027120 2920
00027130 2921 ICM#U UNLINK PH#2,ICM#B,ALL,4PB DISCREPANCIES THIS A/C
00027140 2922 SAVEVALUE ICM#2,M#ICM#A,XB NUMBER OF UNLINKED XACTS
00027150 2923 GATE LS ICM#5 PROCESS UNLINKED XACT(S)
00027160 2924 LOGIC R ICM#5 RESET
00027170 2925 TEST ME B#1ICM#1,1,ICM#A IS IN-CYCLE MAINTENANCE NOT POSSIBLE
00027180 2926 UNLINK ICM#1,ICM#D,1 XACT ON HOLDING CHAIN
00027190 2927 PRIORITY 4,0,BUFFER PROCESS UNLINKED XACT
00027200 2928 PRIORITY 90 NORMAL A/C PRIORITY
00027210 2929 LOGIC R ICM#1 UPEN THE GATE
00027220 2930 TRANSFER PFAC
00027230 2931 ICM#B TEST GE V#CMCDU,2,ICM#P IS THIS DISCREPANCY AFFECTING
00027240 2932 MISSION CAPABILITY
00027250 2933 SAVEVALUE ICM#1,1,XB COUNT THIS DISCREPANCY
00027260 2934 GATE LR ICM#2,ICM#P LET 1 XACT IN
00027270 2935 LOGIC S ICM#2 CLOSE THE GATE
00027280 2936 SCAN PLNCH,5PB,6PB,6PF,1PF,ICM#P GET TIME OF NEXT LAUNCH
00027290 2937 TEST G PF1,C1,ICM#P SHOULD BE LATER THAN NOW
00027300 2938 TEST L RW3,MH#PH19(PH2,0,32),ICM#P IS IN-CYCLE MAINTENANCE
00027310 2939 POSSIBLE THIS OCCASION
00027320 2940 MH#PH19(PH20,22),V#ICM#1,ICM#P IS THERE ENOUGH
00027330 2941 TIME FOR THE REPAIR
00027340 2942 PH15,3PF,PF3,0,ICM#E HAS REPAIR BEEN ANALYZED
00027350 2943 PH19,ICM#F,1,3PF,0,ICM#G DEFERRED REPAIRS
00027360 2944 LOGIC S ICM#G REPAIR CAME FROM DEFERRED CHAIN
00027370 2945 PRIORITY PR,BUFFER PROCESS UNLINKED XACT
00027380 2946 GATE LR ICM#3,ICM#K IS HANDPOWER AVAILABLE
00027390 2947 SAVEVALUE ICM#2,1,XB DECREMENT COUNTER
00027400 2948 TEST E A#1ICM#2,0,ICM#4 IS THIS THE LAST DISCREPANCY XACT
00027410 2949 LOGIC S ICM#5 PROCESS A/C XACT
00027420 2950 ICM#K LINK ICM#1,F1FD HOLDING CHAIN
00027430 2951 ICM#G UNLINK PH9,ICM#F,1,3PF,0,OR629 REPAIRS ANN
00027440 2952 TRANSFER ICM#U
00027450 2953 LOGIC R ICM#3 RESET
00027460 2954 TRANSFER ICM#P
00027470 2955 UNLINK ICM#1,ICM#L,1 XACT ON HOLDING CHAIN
00027480 2956 PRIORITY 4,0,BUFFER PROCESS UNLINKED XACT
00027490 2957 PRIORITY 42 SET A/C PRIORITY
00027500 2958 ASSIGN 19,1,PH IN-CYCLE MAINTENANCE FLAG
00027510 2959 ASSIGN 13,PH3,PH STATUS PRIOR TO IN-CYCLE MAINTENANCE
00027520 2960 LOGIC R ICM#1 UPEN THE GATE
00027530 2961 TRANSFER ICM#U
00027540 2962 PRIORITY 42 RAISE DISCREPANCY PRIORITY
00027550 2963 ALTER PH15,1,PH,PH4,3PF,PF3 RAISE REPAIR PRIORITY
00027560 2964 LINK PH5,F1FJ CURRENT DISCREPANCIES
00027570 2965 LOGIC R ICM#5 RESET
00027580 2966 GATE LR SCJL IS THERE NOT A SHIFT CHANGE
00027590 2967 TEST RE X#B,SHM1,1,ICM#H IS THERE A CURRENT SHIFT
00027600 2968 ASSIGN 1,0,0,SHFT,PH CURRENT SHIFT

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GPSS/M VM/37- RELEASE 1.0 (A112) 10 DEC 82 10140804 FILE: ATENCOPS

LINE#	STMT#	IF	DO	BLK#	OLUC	OPERATION	ADDRESS	FILE#	COMMENTS
0027610	2965					ASSIGN	99,PHV\$4CORG,PH		STORAGE INDEX - ORG. WORK CTR.
0027620	2970					TEST C	REP\$99,P33B,ICMAH		IS HANDLER AVAILABLE
0027630	2971					ICMAI GATE LS	ICMA9,ICMAJ		OLD REPAIR COME FROM DEFERRED
0027640	2972								REPAIR CHAIN
0027650	2973					LOGIC K	ICMA4		RESET
0027660	2974					LINK	PH14,14PH		DEFERRED REPAIRS
0027670	2975					ICMAJ LINK	PH2,14PH		REPAIRS AM
0027680	2976					ICMAH LOGIC S	ICMA3		HANDLER NOT AVAILABLE
0027690	2977					TRANSFER	ICMAI		
0027700	2978					SPLIT	1,ICMAH		TO PERFORM REPAIR ANALYSIS
0027710	2979					LINK	PH5,14FUF		CURRENT DISCREPANCIES
0027720	2980					ICMAH TRANSFER	SBR,RANA,11PH		REPAIR ANALYSIS
0027730	2981					UNLINK	PH5,ICMAH,1,3PF		DISCREPANCY THIS REPAIR
0027740	2982					TERMINATE			
0027750	2983					ICMAP SAVEVALUE	ICMA2-1,XB		DECREMENT COUNTER
0027760	2984					TEST E	XB,ICMA2,0,ICMA5		IS THIS THE LAST DISCREPANCY XACT
0027770	2985					LOGIC S	ICMA5		PROCESS A/C XACT
0027780	2986					ICMA5 LINK	PH5,14FUF		CURRENT DISCREPANCIES
0027790	2987								
0027800	2988								
0027810	2989								
0027820	2990								
0027830	2991					ICMBA ASSIGN	1,0,PH		PERFORM IN-CYCLE MAINTENANCE AND TURNAROUND INSPECTION
0027840	2992					SPLIT	1,ICMB,1PB		RESET
0027850	2993					ASSIGN	21,MHSTJ(0,PB5),PH		TO PERFORM LINE INSPECTION
0027860	2994					ENTER	PH21		EVENT STORAGE
0027870	2995					TRANSFER	USAAA		
0027880	2996					ASSIGN	9,5,PH		ACTIVITY - TURNAROUND INSPECTION
0027890	2997					TRANSFER	SBR,LINA,11PH		PERFORM TURNAROUND INSPECTION
0027900	2998					GATHER	2		WAIT UNTIL BOTH TURNAROUND
0027910	2999								INSPECTION AND IN-CYCLE MAINTENANCE
0027920	3000								HAVE BEEN PERFORMED
0027930	3001					TEST E	PB1,1,ICMB0		IS THIS THE PARENT XACT
0027940	3002					TRANSFER	PF4J		
0027950	3003					ICMB0 TERMINATE			
0027960	3004								
0027970	3005								
0027980	3006								
0027990	3007								
0028000	3008								
0028010	3009								
0028020	3010								
0028030	3011								
0028040	3012								
0028050	3013								
0028060	3014								
0028070	3015								
0028080	3016								
0028090	3017								
0028100	3018								
0028110	3019								
0028120	3020								
0028130	3021								
0028140	3022								
0028150	3023								
0028160	3024								
0028170	3025								
0028180	3026								
0028190	3027								

***** PAGE 05 - UNSCHEDULED MAINTENANCE ROUTINE *****

0028200 3028

0028210 3029

0028220 3030

0028230 3031

0028240 3032

0028250 3033

0028260 3034

0028270 3035

0028280 3036

0028290 3037

0028300 3038

0028310 3039

0028320 3040

0028330 3041

0028340 3042

0028350 3043

0028360 3044

0028370 3045

0028380 3046

0028390 3047

0028400 3048

0028410 3049

0028420 3050

0028430 3051

0028440 3052

0028450 3053

0028460 3054

0028470 3055

0028480 3056

0028490 3057

0028500 3058

0028510 3059

0028520 3060

0028530 3061

0028540 3062

0028550 3063

0028560 3064

0028570 3065

0028580 3066

0028590 3067

0028600 3068

0028610 3069

0028620 3070

0028630 3071

0028640 3072

0028650 3073

0028660 3074

0028670 3075

0028680 3076

0028690 3077

0028700 3078

0028710 3079

0028720 3080

0028730 3081

0028740 3082

0028750 3083

0028760 3084

0028770 3085

0028780 3086

0028790 3087

0028800 3088

0028810 3089

0028820 3090

0028830 3091

0028840 3092

0028850 3093

0028860 3094

0028870 3095

0028880 3096

0028890 3097

0028900 3098

0028910 3099

0028920 3100

0028930 3101

0028940 3102

0028950 3103

0028960 3104

0028970 3105

0028980 3106

0028990 3107

0029000 3108

0029010 3109

0029020 3110

0029030 3111

0029040 3112

0029050 3113

0029060 3114

0029070 3115

0029080 3116

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0029130 3121

0029140 3122

0029150 3123

0029160 3124

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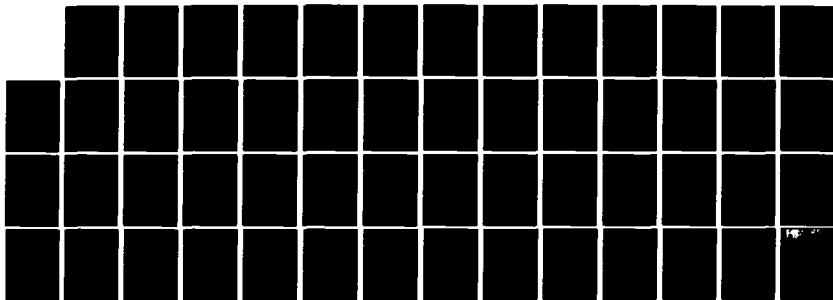
ENHANCEMENT AND VERIFICATION OF THE NAVY CASEE MODEL
(CALENDAR YEAR 1982 TASK)(U) INFORMATION SPECTRUM INC
ARLINGTON VA 15 DEC 82 ISI-V-1668-02 N60921-82-C-0010

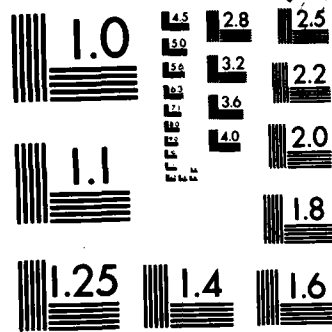
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

LINE# STMT# IF DO BLOCK# *LUC OPERATION A,B,C,D,E,F,G COMMENTS

00020150	3025		957	TEST E	PH34,2,USAAK	DOES A/C NEED FLIGHT DECK RESPOT
00020160	3026		958	ASSIGN	15,VBKSPUT,PH	RESPOT TIME
00020170	3027		959	TEST L	PH13,MMSCUMPL(17,PB5),USAAI	IS COMPUTED RESPOT TIME LESS THAN MINIMUM
00020180	3028					
00020190	3029		960	ASSIGN	10,MMSCUPL(17,PB5),PH	MINIMUM RESPOT TIME
00020200	3030		961	USAAI GATE LS	RSP40,USAAK	UK TO RESPOT A/C
00020210	3031		962	TEST E	PH35,2,USAAH	CAN REPAIR BE DONE ON FLIGHT DECK
00020220	3032		963	ASSIGN	34,4,4PB	LOCATION = RESPOT
00020230	3033		964	ADVANCE	PH10	RESPOT A/C
00020240	3034		965	ASSIGN	34,3,4PB	LOCATION = FLIGHT DECK MAINT. SPOT
00020250	3035		966	TRANSFER	USAAK	
00020260	3036		967	USAAK SAVEVALUE	TALNN,PB4,XB	A/C TAIL NUMBER
00020270	3037		968	UNLINK	PH30,USAAI,ALL,3V4SDAHM,USAAU	SCIR-RELATED AMM REPAIRS THIS A/C
00020280	3038					
00020290	3039		969	PRIORITY	35,BUFFER	PROCESS UNLINKED XACT(S)
00020300	3040		970	PRIORITY	9J	NORMAL A/C PRIORITY
00020310	3041		971	TRANSFER	SBR,UPDAA,16PH	UPDATE SCIR STATISTICS
00020320	3042		972	UNLINK	USAAI,USAAV,ALL,4PB	XACT(S) ON HOLDING CHAIN
00020330	3043		973	USAAU ASSIGN	11,USAAH,PH	UNLINK DESTINATION
00020340	3044		974	LINK	SPOT0,24PH	AWAITING RESPOT
00020350	3045		975	USAAI LINK	USAAI,FIPO	HOLDING CHAIN
00020360	3046		976	USAAV ASSIGN	16,2,4PH	NEW AMM REASON = SPACES/FACILITIES
00020370	3047		977	TRANSFER	SBR,CHDSA,33PH	UPDATE DISCREPANCY STATUS
00020380	3048		978	LINK	PH1,1,4PH	REPAIRS AMM
00020390	3049		979	USAAH GATE SNF	MM5TD(41,PB5),USAAK	IS MANGAR DECK SPACE AVAILABLE
00020400	3050		980	ENTER	MM5TD(41,PB5)	GET MANGAR DECK SPACE
00020410	3051		981	ASSIGN	34,4,4PB	LOCATION = RESPOT
00020420	3052		982	ADVANCE	PH18	RESPOT A/C
00020430	3053		983	ASSIGN	34,1,4PB	LOCATION = MANGAR DECK
00020440	3054		984	USAAK ALTER	PH7,ALL,3PB,PB9,4PB,PB4	GIVE A/C ACTIVITY TO ALL DISCREPANCIES
00020450	3055					GIVE A/C ACTIVITY TO ALL REPAIRS
00020460	3056		985	ALTER	MM5GRP(8,PB5),ALL,9PB,PB9,4PB,PB4	
00020470	3057					
00020480	3058		986	SAVEVALUE	TALNN,PB4,XB	A/C TAIL NUMBER
00020490	3059		987	TEST NE	PUI4,1,USAAO	IS THIS NOT IN-CYCLE MAINTENANCE
00020500	3060		988	UNLINK	PH3,USBAA,ALL,8V4SDAHM	SCIR-RELATED REPAIRS AMM THIS A/C
00020510	3061					
00020520	3062		989	UNLINK	PH32,USBAA,ALL,8V4SDAHM	SCIR-RELATED DEFERRED REPAIRS THIS A/C
00020530	3063					
00020540	3064		990	UNLINK	PH3,USBAA,ALL,4PB	OTHER REPAIRS AMM THIS A/C
00020550	3065		991	UNLINK	PH32,USBAA,ALL,4PB	OTHER DEFERRED REPAIRS THIS A/C
00020560	3066					
00020570	3067		992	UNLINK	PH31,USAAE,ALL,4PB	REPAIRS AMM THIS A/C
00020580	3068		993	USAAU TEST NE	PB9,11,USAAH	IS A/C NOT ALREADY IN UNSCHEDULED MAINTENANCE
00020590	3069					
00020600	3070		994	ASSIGN	9,11,4PB	ACTIVITY = UNSCHEDULED MAINTENANCE
00020610	3071		995	JOIN	PH34	A/C IN MAINTENANCE
00020620	3072		996	MSAVEVALUE	PH14,MM,2,1,4PH	INSPECTIONS BY EVENT
00020630	3073		997	LINK	PH25,24PH	A/C IN MAINTENANCE
00020640	3074		998	USAAE TEST NE	PB9,11,USAAE	WAS A/C NOT ALREADY IN MAINTENANCE
00020650	3075		999	USAAE TEST NE	VSCMCHL,26,0,0,23	NOT AN AMC DISCREPANCY
00020660	3076		1000	USAAE TEST NE	MM5PH14(PH2,44),USAA5	IS SPARE AVAILABLE
00020670	3077		1001	ASSIGN	17,1,4PB	TASK = SUPPLY ACTION
00020680	3078		1002	TRANSFER	USAAK	
00020690	3079		1003	USAAK CUE	P421	EVENT
00020700	3080		1004	MARK		

LINE# STMT# IF DO ALLC#B *LDC OPERATI#N A,B,C,D,E,F,G COMMENTS

00028710	3061		USAAH MATCH	US3AT	WAIT FOR UNSCHED. MAINT. TO START
00028720	3062		DEPART	PH21	EVENT QUEUE
00028730	3063		TABULATE	MMSTAB(4,PB5)	UNSCHEM. MAINT. QUEUE TIME
00028740	3064		TERMINATE		
00028750	3065		USAAU ASSIGN	35,2,PH5	REPAIR CAN BE DONE ON FLIGHT DECK
00028760	3066		ASSIGN	10,1,PH	RESPT TIME
00028770	3067		TRANSFER	USAA1	
00028780	3068		UNLINK	PH3,USAAP,ALL,PH5SDAM	SCIR-RELATED REPAIRS AMM THIS A/C
00028790	3069		UNLINK	PH32,USAAP,ALL,PH5SDAM	SCIR-RELATED DEFERRED REPAIRS THIS A/C
00028800	3070		UNLINK	PH3,USAAP,ALL,PH5	OTHER REPAIRS AMM THIS A/C
00028810	3071		UNLINK	PH32,USAAP,ALL,PH5	OTHER DEFERRED REPAIRS THIS A/C
00028820	3072		TRANSFER	USAAU	IS THIS THE IN-CYCLE REPAIR NACT
00028830	3073		TEST E	PH,42,USAAH	
00028840	3074		TRANSFER	USAAH	
00028850	3075		LINK	PH9,PH10	REPAIRS AMM
00028860	3076		LINK	PH10,PH11	REPAIRS AMM
00028870	3077		TEST E		
00028880	3078		QUEUE	PH3,PH5,USBAC	IS REPAIR NOT ALREADY IN AMM QUEUE
00028890	3079		ASSIGN	MMSCUE(12,PB5)	REPAIRS AMM
00028900	3080		EXAMINE	30,1,PH	QUEJE FLAG - REPAIRS AMM
00028910	3081		ASSIGN	PH41,PH4,USBAU	IS THIS A/C ALREADY USING THIS M.C.
00028920	3082		ASSIGN	16,3,PH	AMM REASON - OTHER MAINT. ACTIONS
00028930	3083		ASSIGN	11,2,PH	NEW REPAIR STATUS - AMM
00028940	3084		TEST NE	PH24,PH,USBAF	IS DISCREPANCY SCIR-RELATED
00028950	3085		ASSIGN	31,PH30,PH	NEW EDC
00028960	3086		TEST E	BV5UPDA1,1,USBAF	UPDATE SCIR STATISTICS?
00028970	3087		GATE LR	UPDA1	IS PAGE UPD SUBROUTINE STILL IOLE
00028980	3088		UNLINK	PH17,USBAF,1,PH5	DOGS A/C IN UNSCH. MAINTENANCE
00028990	3089		PRIORITY	2,0,BUFFLR	PROCESS UNLINKED NACT
00029000	3090		PRIORITY	4)	NORMAL MAINT. ACTION PRIORITY
00029010	3091		TRANSFER	SHR,CHDS4,33PH	UPDATE DISCREPANCY STATUS
00029020	3092		LINK	PH9,14PH	REPAIRS AMM
00029030	3093		GATE LR	USBA1	WAIT FOR PAGE UPS ROUTINE TO BECOME IOLE
00029040	3094		TRANSFER	USBAH	
00029050	3095		LINK	SHR,UPDA1,16PH	UPDATE SCIR STATISTICS
00029060	3096		LINK	PH25,24PH	A/C IN MAINTENANCE
00029070	3097		UNLINK	PH17,USBAF,1,PH5,USBAE	IS A/C AVAILABLE FOR MAINTENANCE
00029080	3098		ASSIGN	PH31,PH,USBAH	PROCESS A/C NACT
00029090	3099		TEST E	PH42	IS REPAIR NOT IN MANPOWER QUEUE
00029100	3100		ASSIGN	31,1,PH	MANPOWER
00029110	3101		ASSIGN	SCU1	QUEJE FLAG - MANPOWER
00029120	3102		GATE LR	AM,35PH,PH,USBAK	IS THERE NOT A SHIFT CHANGE
00029130	3103		ASSIGN	14,33PH,SHIFT,PH	IS THERE A CURRENT SHIFT CURRENT SHIFT

6PSS/M VM/37: RELEASE 1.0 (AY142) 10 DEC 82 101401JA FILE: ATENCUPS

LINE# STMT# IF GO BLOCK# *LOC OPERATION A.O.C.O.U.F.G COMMENTS

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00029270 3137 1051 ASSIGN 44,PH49VWCG0,PH STORAGE INDEX - WORK CENTER USED
00029280 3138 1052 TEST GE ROPH49,PH38,USBAH IS WORKER AVAILABLE
00029290 3139 1053 GATE M IS THIS THE FIRST REPAIR THIS EVENT
00029300 3140 1054 USBAT MATCH USAAM LET A/C COPY XACT DEPART EVENT QUEUE
00029310 3141 1055 BUFFER USAAM PROCESS A/C COPY XACT
00029320 3142 1056 USBAU ENTER PH49,PH31 GET MAMPJER
00029330 3143 1057 JOIN PH41,PH4 A/C USING THIS PRIMARY WORK CENTER
00029340 3144 1058 DEPART PH42 PRIMARY MAMPJER QUEUE
00029350 3145 1059 DEPART MMSQUE(12,PH5) REPAIRS AMM
00029360 3146 1060 MARK 14PF TIME ENTERED WORK CENTER
00029370 3147 1061 ASSIGN 47,PH PH SET
00029380 3148 1062 ASSIGN 30,PH PH RESET QUEUE FLAGS
00029390 3149 1063 TEST E PF11,PH USBAR HAS THIS REPAIR NOT YET BEEN STARTED
00029400 3150 1064 MARK 11PF MAINTENANCE START TIME
00029410 3151 1065 ASSIGN 21,PH PH CLEAR THIS PARAMETER
00029420 3152 1066 ASSIGN 25,PH PH MAINTENANCE STARTED FLAG
00029430 3153 1067 ALTER PH5,1,25PH,1,3PF,PF3 MAINTENANCE STARTED FLAG
00029440 3154 1068 TEST NE 11,PH PH REPAIR STATUS- IN WORK
00029450 3155 1069 SAVEVALUE PH24,PH USBAR IS DISCREPANCY SCIK-REPAIRED
00029460 3156 1070 TRANSFER SREDC,PH29,PH IN-WORK EDC
00029470 3157 1071 ALTER SBR,SKOMA,35PH DETERMINE RUN NUMBER - MAXSCIM-
00029480 3158 1072 * PH5,1,24PH,PH24,3PF,PF3 GIVE RUN NUMBER TO
DISCREPANCY
00029490 3159 1073 * 31,PH29,PH NEW EDC
00029500 3160 1074 BV8UPDA1,1,USBAD UPDATE SCIR STATISTICS
00029510 3161 1075 GATE LR UPDA1 IS PAGE UPD SUBROUTINE STILL IDLE
00029520 3162 1076 UNLINK PH17,USBAJ,1,PH,PH,DBG40 A/C THIS MAINTENANCE ACTION
00029530 3163 1077 PRIORITY 20,BUFFER PROCESS UNLINKED XACT
00029540 3164 1078 PRIORITY 40 NORMAL REPAIR PRIORITY
00029550 3165 1079 USBAD TRANSFER SBR,CHDSA,33PH UPDATE DISCREPANCY STATUS
00029560 3166 1080 SCAN PH7,PH,PH,PH,PH,PH CURRENT MISSION CAPABILITY
00029570 3167 1081 * V8NMCUD,PH8,USBA1 IS MISSION CAPABILITY FURTHER
DEGRADED
00029580 3168 1082 * 4,V8NMCUD,PH NEW MISSION CAPABILITY
00029590 3169 1083 ASSIGN PH7,1,31PH,PH,PH,PH A/C MISSION CAPABILITY
00029600 3170 1084 UNLINK PH17,USBAH,1,PH,PH,PH,PH A/C THIS MAINTENANCE ACTION
00029610 3171 1085 PRIORITY 25,BUFFER PROCESS UNLINKED XACT
00029620 3172 1086 PRIORITY 40 NORMAL REPAIR PRIORITY
00029630 3173 1087 USBAT TEST NE PH17,17,USBAZ IS THIS NOT A CANNIBALIZATION ACTION
00029640 3174 1088 ALTER PH7,1,4PH,PH,PH,PH,PH SUBSYSTEM NUMBER
00029650 3175 1089 ASSIGN 9,11PH ACTIVITY - UNSCHEDULED MAINTENANCE
00029660 3176 1090 TRANSFER FMSOTASK MAINTENANCE TASK
00029670 3177 1091 * USBAT TEST E PF11,PH,PH,PH,PH,PH HAS THIS CANNIBALIZATION NOT ALREADY
BEGUN
00029680 3178 1092 * PH17,USBAQ,1,PH,PH,PH,PH CANNIBALIZATION VICTIM A/C
00029690 3179 1093 UNLINK PH17,USBAQ,1,PH,PH,PH,PH CANNIBALIZATION VICTIM A/C
00029700 3180 1094 TRANSFER PH17,USBAQ,1,PH,PH,PH,PH CANNIBALIZATION VICTIM A/C
00029710 3181 1095 USBAU MSAREVALU PH17,USBAQ,1,PH,PH,PH,PH CANNIBALIZATION VICTIM A/C
00029720 3182 1096 USBAB LINK PH17,USBAQ,1,PH,PH,PH,PH CANNIBALIZATION VICTIM A/C
00029730 3183 1097 USBAB LINK PH17,USBAQ,1,PH,PH,PH,PH CANNIBALIZATION VICTIM A/C
00029740 3184 1098 USBAB LINK PH17,USBAQ,1,PH,PH,PH,PH CANNIBALIZATION VICTIM A/C
00029750 3185 1099 USBAB LINK PH17,USBAQ,1,PH,PH,PH,PH CANNIBALIZATION VICTIM A/C
00029760 3186 1100 USBAB LINK PH17,USBAQ,1,PH,PH,PH,PH CANNIBALIZATION VICTIM A/C
00029770 3187 1101 USBAB LINK PH17,USBAQ,1,PH,PH,PH,PH CANNIBALIZATION VICTIM A/C
00029780 3188 1102 USBAB LINK PH17,USBAQ,1,PH,PH,PH,PH CANNIBALIZATION VICTIM A/C
00029790 3189 1103 USBAB LINK PH17,USBAQ,1,PH,PH,PH,PH CANNIBALIZATION VICTIM A/C
00029800 3190 1104 USBAB LINK PH17,USBAQ,1,PH,PH,PH,PH CANNIBALIZATION VICTIM A/C
00029810 3191 1105 USBAB LINK PH17,USBAQ,1,PH,PH,PH,PH CANNIBALIZATION VICTIM A/C
00029820 3192 1106 USBAB LINK PH17,USBAQ,1,PH,PH,PH,PH CANNIBALIZATION VICTIM A/C

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LINE#	STMT#	IF DO	BLOCK#	CLUC	OPERATION	A,B,C,D,E,F,G	COMMENTS
00029830	3193		1104	USBAJ	TRANSFER	SR,UPDAA,16PH	UPDATE SCIR STATISTICS
00029840	3194		1105	LINK		PH2520P1	A/C IN MAINTENANCE
00029850	3195		1106	USBAJ	TRANSFER	SR,UPDAA,33PH	UPDATE DISCREPANCY STATUS
00029860	3196		1107	TRANSFER		USNAI	
00029870	3197						
00029880	3198						
00029890	3199						
00029900	3200						
00029910	3201		1108				ADMINISTRATIVE DELAY
00029920	3202		1109	USCAA	ASSIGN	40,20PH	TIME ADMINISTRATIVE DELAY BEGAN
00029930	3203		1110	MARK		13PF	DELAY FLAG
00029940	3204		1111	ASSIGN		32,10PB	SPLIT BLOCK MATCH COUNT
00029950	3205		1112	SAVEVALUE		SPL40,1,1XF	SPLIT BLOCK MATCH COUNT
00029960	3206		1113	ASSIGN		1,0XF8SPLMC,PF	TIME DELAY A/C
00029970	3207		1114	SPLIT		1,USCAF	REPAIRS IN WORK
00029980	3208		1115	LINK		PH3,14PH	ADMINISTRATIVE DELAY
00029990	3209		1116	USCAF	ADVANCE	PH6	REPAIR IN WORK
00030000	3210		1117	UNLINK		PH8,USCAG,1,1JPF	
00030010	3211		1118	TERMINATE			
00030020	3212		1119	USCAG	ASSIGN	47,4P13PF,PH	ADMINISTRATIVE DELAY
00030030	3213		1120	ASSIGN		32,10PB	RESET
00030040	3214		1121	TEST NE		PH26,1,USCAB	IS THIS NOT A REMOVE AND REPLACE ACTION
00030050	3215		1122	TEST L		RN2,09NRRU,USCAE	IS 40 REPAIR REQUIRED
00030060	3216		1123	ASSIGN		17,10PB	ACTION TAKEN - CHECK - NRR
00030070	3217		1124	MARK		12PF	TIME TASK STARTED
00030080	3218			TEST E		PH49,0,USCAM	HAS THIS TASK NOT BEEN PREVIOUSLY STARTED
00030090	3219		1125	ASSIGN		49,PH13,PH	END THIS TASK
00030100	3220		1126	USCAM	SAVEVALUE	SPL40,1,1XF	SPLIT BLOCK MATCH COUNT
00030110	3221		1127	ASSIGN		1,0XF8SPLMC,PF	SPLIT BLOCK MATCH COUNT
00030120	3222		1128	SPLIT		1,USCAF	TIME DELAY A/C
00030130	3223		1129	LINK		PH8,14PH	REPAIRS IN WORK
00030140	3224		1130	ASSIGN		17,13,PH	ACTION TAKEN - REMOVE
00030150	3225		1131	ASSIGN		49,10PH	RESET
00030160	3226		1132	TRANSFER		0,USEAA	
00030170	3227		1133	USCAB	ADVANCE	PH49	PERFORM THIS TASK
00030180	3228		1134	UNLINK		PH8,USCAG,1,1JPF	REPAIR IN WORK
00030190	3229		1135	TERMINATE			
00030200	3230		1136	USCAO	ASSIGN	49,4P12PF,PH	CUMULATIVE EMT
00030210	3231		1137	MSAVEVALUE		PH19,PH20,57,1,MM	NRR ACTIONS (ORG) THIS ARA
00030220	3232		1138	MSAVEVALUE		PH3,PH4,37,1,MM	NRR ACTIONS (ID46) THIS SUBSYSTEM
00030230	3233		1139	MSAVEVALUE		SYSUM,PH5,37,1,MM	TOTAL NRR ACTIONS - ORG.
00030240	3234		1140	ASSIGN		21,10PB	REPAIR IS SUCCESSFUL
00030250	3235		1141	TRANSFER		0,USZAA	
00030260	3236		1142	USCAF	ASSIGN	17,10PB	ACTION TAKEN - REPAIR IN PLACE
00030270	3237		1143	ASSIGN		49,10PH	RESET
00030280	3238		1144	TRANSFER		0,USZAA	
00030290	3239						
00030300	3240						
00030310	3241						
00030320	3242						
00030330	3243		1145				TASK START TIME
00030340	3244		1146	USCAA	MARK	12PF	HAS THIS TASK NOT BEEN PREVIOUSLY STARTED
00030350	3245			TEST E		PH49,0,USDAB	TOTAL TIME TO REPAIR
00030360	3246		1147	ASSIGN		47,4P13,PH	SPLIT BLOCK MATCH COUNT
00030370	3247		1148	USCAO	SAVEVALUE	SPL40,1,1XF	
00030380	3248						

LINE#	STMT#	IF	CO	BLK#	LOC	OPERATION	A,B,C,D,E,F,G	COMMENTS
00030390	3249			1109	ASSIGN	10,XF\$SPLMC,PF		SPLIT BLOCK MATCH COUNT
00030400	3250			1150	SPLIT	1,U\$DAC		TIME DELAY XACT
00030410	3251			1151	LINK	PH8,14PH		REPAIRS IN WORK
00030420	3252			1152	USDAC	PH43		TIME TO REPAIR
00030430	3253			1153	UNLINK	PH4,USDAJ,1,1JPF		REPAIR XACT
00030440	3254			1154	TERMINATE			
00030450	3255			1155	USDAO ASSIGN	21,1,PH		SUCCESSFUL COMPLETION
00030460	3256			1156	ASSIGN	48,MP12PF,PH		CUMULATIVE EMT
00030470	3257			1157	TRANSFER	US2AA		
00030480	3258							
00030490	3259							
00030500	3260							
00030510	3261							
00030520	3262			1158	USEA TEST NE	PR,42,USEAG		PAGE USE - REMOVE AND REPLACE - REMOVAL PHASE
00030530	3263			1159	USEAM MARK	12PF		IS THIS NOT IN-CYCLE MAINTENANCE
00030540	3264			1160	TEST E	PH49,0,USEAB		TASK START TIME
00030550	3265							WAS THIS TASK NOT BEEN PREVIOUSLY
00030560	3266			1161	ASSIGN	49,V\$INJ,PH		STARTED
00030570	3267			1162	USEAB SAVEVALUE	SPLMC,1,XF		TOTAL TIME TO REMOVE
00030580	3268			1163	ASSIGN	1,0,XF\$SPLMC,PF		SPLIT BLOCK MATCH COUNT
00030590	3269			1164	SPLIT	1,USEAC		SPLIT BLOCK MATCH COUNT
00030600	3270			1165	LINK	PH8,14PH		TIME DELAY XACT
00030610	3271			1166	USEAC ADVANCE	PH49		REPAIRS IN WORK
00030620	3272			1167	UNLINK	PH8,USEAD,1,1JPF		REMOVE MRA
00030630	3273			1168	TERMINATE			REPAIR IN WORK
00030640	3274			1169	ASSIGN	49,0,PH		RESET
00030650	3275			1170	ASSIGN	48,MP12PF,PH		CUMULATIVE EMT
00030660	3276			1171	TEST NE	PH17,17,USEAE		IS THIS NOT A CANNIBALIZATION ACTION
00030670	3277			1172	ASSIGN	17,2,0,PH		TASK - SUPPLY ACTION
00030680	3278			1173	ASSIGN	46,0,PH		RESET
00030690	3279			1174	TRANSFER	USPA		
00030700	3280			1175	ASSIGN	21,3,PH		COMPLETION CODE - AMP
00030710	3281			1176	TRANSFER	SBR,USKAA,11PH		RELEASE MANPOWER
00030720	3282			1177	SAVEVALUE	CHRA,PF6,XF		CANNIBALIZED MRA
00030730	3283			1178	SAVEVALUE	TALV,PH4,XB		TAIL NUMBER OF VICTIM A/C
00030740	3284			1179	UNLINK	KAMC,USEAF,1,BVSANCAN,08621		REPAIR AWAITING
00030750	3285							CANNIBALIZATION
00030760	3286			1180	TEST E	MM0PH19(PH20,48,0),SUPA		IS NO SPARE AVAILABLE
00030770	3287			1181	ASSIGN	11,3,PH		NEW REPAIR STATUS - AMP
00030780	3288			1182	TRANSFER	US2AA		
00030790	3289			1183	ASSIGN	17,15,PH		TASK - INSTALL CANNIBALIZED MRA
00030800	3290			1184	ASSIGN	49,0,PH		RESET
00030810	3291			1185	ASSIGN	34,0,PH		RESET
00030820	3292			1186	SCAN	PH7,0PH,PH4,61PH,1PH		GET NR. OF REPAIRS AWAITING
00030830	3293							CANNIBALIZED MRAS
00030840	3294			1187	TEST E	PH1,1,08G28		SHOULD BE AT LEAST ONE
00030850	3295			1188	ASSIGN	1,1,PH		DECREMENT COUNT
00030860	3296			1189	ALTER	PH7,1,01PH,PH4,PH4		DECREMENT COUNT
00030870	3297			1190	TRANSFER	US3AA		
00030880	3298			1191	USEAG TEST U	MM0PH19(PH20,44,0),USEAU		IS SPARE AVAILABLE
00030890	3299			1192	MSAVEVALUE	PH17,0,PH20,44,0,1,PH		DECREMENT SPARES RFI
00030900	3300			1193	TRANSFER	US3AA		
00030910	3301			1194	MSAVEVALUE	PH17,0,PH20,44,0,1,PH		TIMES NO SPARE RFI THIS MRA
00030920	3302			1195	MSAVEVALUE	PH3,0,PH4,44,0,1,PH		TIMES NO SPARE RFI THIS SUBSYSTEM
00030930	3303			1196	MSAVEVALUE	US3AA,PH5,44,0,1,PH		TOTAL TIMES NO SPARE AVAILABLE
00030940	3304			1197	ASSIGN	21,1,PH		COMPLETION CODE - AMP

LINE#	STMT#	IF DO	BLOCK#	PLUC	OPERATION	A,B,C,D,E,F,G	COMMENTS	NEW REPAIR STATUS - AMP
00030950	3305		1199		ASSIGN	11,3,PB		
00030960	3306		1199		TRANSFER	USZAA		
00030970	3307							
00030980	3308							
00030990	3309							
00031000	3310							
00031010	3311		1200		PAGE USF - REMOVE AND REPLACE - INSTALLATION PHASE			
00031020	3312		1201		USFAA MARK	12PF	TASK START TIME	
00031030	3313				TEST	PH17,15,USFAB	HAS THIS TASK NOT BEEN PREVIOUSLY STARTED	
00031040	3314		1202		ASSIGN	9,VBINSL,PH	INSTALL WRA	
00031050	3315		1203		USFAB SAVEVALUE	SPL4C,1,XF	SPLIT CLOCK MATCH COUNT	
00031060	3316		1204		ASSIGN	10,XF5PLMC,PF	SPLIT BLOCK MATCH COUNT	
00031070	3317		1205		SPLIT	1,USFAC	TIME DELAY RACT	
00031080	3318		1206		LINK	PH17,14PH	REPAIRS IN WORK	
00031090	3319		1207		USFAC ADVANCE	PH17	INSTALL WRA	
00031100	3320		1208		UNLINK	PH17,USFAU,1,1,PF	REPAIR IN WORK	
00031110	3321		1209		TERMINATE			
00031120	3322		1210		USFAD ASSIGN	98,MP12PF,PH	CUMULATIVE EMT	
00031130	3323		1211		TEST NE	PH17,15,USFAC	HAS THIS NOT A CANNIBALIZED WRA	
00031140	3324		1212		SAVEVALUE	5854M,PH19,PH	SUBSYSTEM MM INDEX	
00031150	3325		1213		SAVEVALUE	WRANR,PH20,PH	WRA NUMBER	
00031160	3326		1214		SAVEVALUE	ARG,VSARG,PF	ARGUMENT OF FMSERP	
00031170	3327		1215		TEST L	PH17,AN64,FMSERP,USFAE	HAS THIS A GOOD SPARE	
00031180	3328		1216		USFAE TEST E	PF17,PH19,USFAC	HAS THIS THE ACTUALLY FAILED WRA	
00031190	3329		1217		ASSIGN	21,1,PB	SUCCESSFUL COMPLETION	
00031200	3330		1218		USFAH TEST E	PH17,18,USZ1A	HAS THIS A REPLACEMENT AFTER CANNIBALIZATION	
00031210	3331							
00031220	3332		1219		MSAVEVALUE	PH19,PH20,64,1,MM	REPLACEMENTS AFTER CANNIBALIZATION	
00031230	3333							
00031240	3334		1220		MSAVEVALUE	PH3,PH4,98,1,MM	REPLACEMENTS AFTER CANNIBALIZATION	
00031250	3335		1221		MSAVEVALUE	SYSUM,PH5,44,1,MM	REPLACEMENTS AFTER CANNIBALIZATION	
00031260	3336							
00031270	3337		1222		TRANSFER	USZAA		
00031280	3338		1223		MSAVEVALUE	PH17,PH20,65,1,MM	BAD PARTS FROM SUPPLY THIS WRA	
00031290	3339		1224		MSAVEVALUE	PH3,PH4,45,1,MM	BAD PARTS FROM SUPPLY THIS SUBSYSTEM	
00031300	3340		1225		MSAVEVALUE	SYSUM,PH5,44,1,MM	TOTAL BAD PARTS FROM SUPPLY	
00031310	3341		1226		ASSIGN	21,1,PH	UNSUCCESSFUL COMPLETION - BAD PART	
00031320	3342		1227		TRANSFER	USFAH		
00031330	3343		1228		USFAG ASSIGN	21,4,PB		
00031340	3344		1229		TRANSFER	USZAA	COMPLETION CODE - REPLACED NRK WRA	
00031350	3345							
00031360	3346							
00031370	3347							
00031380	3348							
00031390	3349		1230		PAGE USZ - COMPLETE UNSCHEDULED MAINTENANCE TASK			
00031400	3350		1231		USZAA ASSIGN	1,PH,PH	CURRENT PRIORITY	
00031410	3351		1232		PRIORITY	41	MAISE PRIORITY	
00031420	3352		1233		GATE L4	UPUAI	IS PAGE UPD SUBROUTINE IOL	
00031430	3353		1234		GATE L4	USZAI,USZBC	IS THIS SUBROUTINE IOL	
00031440	3354		1235		LOGIC S	USZAI	CLOSE THE GATE	
00031450	3355		1236		TEST NE	PH2,PH,USZAK	IS DISCREPANCY SCIP-RELATED	
00031460	3356		1237		UNLINK	PH17,USZ18,1,4PB,1,0009	A/C THIS REPAIR	
00031470	3357		1238		GATE L5	USZAI	PROCESS UNLINKED RACT	
00031480	3358		1239		LOGIC A	USZAI	CLOSE THE GATE	
00031490	3359		1240		TEST E	PH2,PH,USZAC	HAS REPAIR SUCCESSFUL	
00031500	3360		1241		TRANSFER	PH17,USZAI,1,4PB,1,0009	INCREMENT DISCREPANCY COUNT THIS A/C	
00031510	3361				UNLINK	PH17,USZAI,1,4PB,1,0009	DISCREPANCY THIS REPAIR	

LINE#	STAT#	IF	DO	BLK#	QLOC	OPERATION	A,B,C,D,E,F,G	COMMENTS
00031510	3361			1242		PRIORITY	PH1	RESTORE PRIORITY
00031520	3362			1243		LINK	USZAL,FIFO	HOLDING CHAIN
00031530	3363			1244		USZAL GATE LN	USZAL	WAIT FOR THIS SUBROUTINE TO BECOME IDLE
00031540	3364							
00031550	3365			1245		TRANSFER	USZAD	UPDATE SCIR STATISTICS
00031560	3366			1246		TRANSFER	SRR,UPDAA,16PH	LET REPAIR RACT MOVE
00031570	3367			1247		LOGIC 5	USZAD	A/C IN MAINTENANCE
00031580	3368			1248		LINK	PH26,24P1	COMPLETION CODE
00031590	3369			1249		USZAD ASSIGN	21,1,PH	IS THIS NOT IN-CYCLE MAINTENANCE
00031600	3370			1250		TEST NE	PH,42,USZAP	POST-MAINTENANCE A/C STATUS UPDATE
00031610	3371			1251		TRANSFER	SRR,UPSA,16PH	UPDATE REPAIR ANALYSIS THIS A/C
00031620	3372			1252		TRANSFER	SRR,RANA,11PH	REPAIR RACT ON HOLDING CHAIN
00031630	3373			1253		UNLINK	USZAL,USZAL,1	TAIL NUMBER THIS A/C
00031640	3374			1254		SAVEVALUE	TALUD,PH,18	MUC OF FAILED ARA THIS REPAIR
00031650	3375			1255		SAVEVALUE	MUCUD,PF,1AF	UNRESOLVED DISCREPANCIES
00031660	3376			1256		UNLINK	PH27,USZAF,ALL,BVDSRU	
00031670	3377							
00031680	3378			1257		USZAF TERMINATE		
00031690	3379			1258		USZAC UNLINK	PH6,USZAM,1,3PF,0B613	DISCREPANCY THIS REPAIR
00031700	3380			1259		PRIORITY	PH1	RESTORE PRIORITY
00031710	3381			1260		LINK	USZAL,FIFO	TEMPORARY HOLDING CHAIN
00031720	3382			1261		SCAN	PH15,3PF,PF3,21PB,21PB	GET REPAIR COMPLETION CODE
00031730	3383			1262		TEST NE	PH,42,USZAU	IS THIS NOT IN-CYCLE MAINTENANCE
00031740	3384			1263		TEST NE	PH21,3,USZAG	IS REPAIR NOT AMP
00031750	3385			1264		PRIORITY	4	NORMAL PRIORITY
00031760	3386			1265		SPLIT	1,USZAJ	CREATE NEW DISCREPANCY
00031770	3387			1266		REMOVE	PH5	CURRENT DISCREPANCIES
00031780	3388			1267		LINK	PH27,FIFO	UNRESOLVED DISCREPANCIES
00031790	3389			1268		TRANSFER	SRR,USKAA,11PH	RELEASE MANPOWER
00031800	3390			1269		LOGIC R	USZAL	OPEN THE GATE
00031810	3391			1270		TERMINATE		
00031820	3392			1271		SAVEVALUE	JCN,1,XF	NEXT AVAILABLE JCN
00031830	3393			1272		SAVEVALUE	NUJCN,XF,JCN,AF	NEW JCN
00031840	3394			1273		ASSIGN	3,XF,NUJCN,PF	NEW JCN
00031850	3395			1274		MARK		
00031860	3396			1275		JOIN	PH5	CURRENT DISCREPANCIES
00031870	3397			1276		TEST E	PH21,2,USZAK	WAS THIS A BAD PART FROM SUPPLY
00031880	3398			1277		ASSIGN	29,12,PH	WHEN DISCOVERED CODE
00031890	3399			1278		UNLINK	USZAL,USZAL,1	RACT ON HOLDING CHAIN
00031900	3400			1279		LINK	PH6,14PH	CURRENT DISCREPANCIES
00031910	3401			1280		TEST E	PH21,4,0B6,4	WAS THIS A NEW INSTALLATION
00031920	3402			1281		ASSIGN	27,PH319,PH	ORIGINAL WHEN DISCOVERED CODE
00031930	3403			1282		TRANSFER	SRR,M5DGA,11PH	MISDIAGNOSIS ROUTINE
00031940	3404			1283		ASSIGN	14,0,PH	RESET
00031950	3405			1284		PRIORITY	4	NORMAL PRIORITY
00031960	3406			1285		SPLIT	1,USZAU	TO CREATE NEW REPAIR RACT
00031970	3407			1286		LINK	PH6,14PH	CURRENT DISCREPANCIES
00031980	3408			1287		LINK	1,USZAM	NEW REPAIR RACT
00031990	3409			1288		LINK	USZAL,FIFO	HOLDING CHAIN
00032000	3410			1289		ASSIGN	11,2,PH	NEW REPAIR STATUS = AMM
00032010	3411			1290		ASSIGN	15,2,PH	NEW AMM REASON = BACKLOG
00032020	3412			1291		ASSIGN	31,PH3,PH	NEW EDC = CURRENT LOC
00032030	3413			1292		TRANSFER	SRR,CMDSA,33PH	UPDATE DISCREPANCY STATUS
00032040	3414			1293		TRANSFER	SRR,RANA,11PH	CREATE NEW REPAIR RACT
00032050	3415			1294		UNLINK	USZAL,USZAN,1	RACT ON HOLDING CHAIN
00032060	3416			1295		TERMINATE		

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FILE: A7ENCUPS

LINE#	STMT#	IF	DO	3LOC48	*LOC	OPERATION	A,B,C,D,E,F,G	COMMENTS
00032070	3417			1295	USZAM	ASSIGN	3,XF9NUJCN,PF	NEW JCN
00032080	3418			1297	JOIN		PH17	REPAIRS THIS SQUADRON
00032090	3419			1299	ASSIGN		11,2,PH	NEW REPAIR STATUS = AMM
00032100	3420			1299	ASSIGN		16,3,PH	NEW AMM REASON = BACKLOG
00032110	3421			1300	ASSIGN		31,9,13,PH	NEW EDC = CURRENT EDC
00032120	3422			1301	TRANSFER		SRK,CHDSA,33PH	UPDATE DISCREPANCY STATUS
00032130	3423			1302	ASSIGN		20,12,PH	WHEN DISC. = BAD PART FROM SUPPLY
00032140	3424			1303	ASSIGN		14,PH13,PH	TIME TO REPAIR
00032150	3425			1304	ALTER		PH5,1,14PH,PH14,3PF	UPDATE DISCREPANCY TTR
00032160	3426			1305	ASSIGN		11,2,PH	CLEAR THIS PARAMETER
00032170	3427			1306	ASSIGN		PH,47,PH	RESET
00032180	3428			1307	ASSIGN		17,13,PH	TASK = REMOVE
00032190	3429			1308	UNLINK		USZAI,USZAN,1	XACT ON HOLDING CHAIN
00032200	3430			1309	PRIORITY		PH9,14PH	NORMAL PRIORITY
00032210	3431			1310	LINK		SRK,USKAA,11PH	REPAIRS AMM
00032220	3432			1311	TRANSFER		USZAI	RELEASE MANPOWER
00032230	3433			1312	LOGIC R			OPEN THE GATE
00032240	3434			1313	TERMINATE			
00032250	3435			1314	USZAG	SCAN	PH15,3PF,PF3,11PB,11PB	GET NEW REPAIR STATUS
00032260	3436			1315	SPLIT		1,USZAM	CONTROL XACT TO UPDATE A/C STATUS
00032270	3437			1315	LINK		PH6,14PH	CURRENT DISCREPANCIES
00032280	3438			1317	ASSIGN		31,9,PH30,PH	NEW EDC = CURRENT EDC
00032290	3439			1319	TRANSFER		SRK,CHDSA,33PH	UPDATE DISCREPANCY STATUS
00032300	3440			1319	TEST ME		PH3,6,USZAZ	NOT A CANNIBALIZATION ACTION
00032310	3441			1320	TRANSFER		SRK,RANA,11PH	UPDATE REPAIR ANALYSIS
00032320	3442			1321	USZAZ	UNLINK	USZAI,USZAI,1	REPAIR XACT ON HOLDING CHAIN
00032330	3443			1322	TERMINATE			
00032340	3444			1323	USZAI	ASSIGN	10,PH11,PH	REPAIR STATUS
00032350	3445			1324	TEST ME		PH11,4,USZBB	NOT AWAITING CANNIBALIZATION
00032360	3446			1325	TEST ME		PH17,17,USZBA	NOT A CANNIBALIZATION REMOVAL
00032370	3447			1326	TRANSFER		SRK,USKAA,11PH	RELEASE MANPOWER
00032380	3448			1327	USZBA	LOGIC R	USZAI	OPEN THE GATE
00032390	3449			1323	LINK		PH17,14PH	REPAIRS AMM
00032400	3450			1329	USZBB	LOGIC R	USZAI	UPON THE GATE
00032410	3451			1330	LINK		RAC,FIFO	REPAIRS AWAITING CANNIBALIZATION
00032420	3452			1331	USZAP	UNLINK	PH17,USZAR,1,4PB,0,08G14	A/C THIS REPAIR
00032430	3453			1332	UNLINK		USZAI,USZAE,1	XACT ON HOLDING CHAIN
00032440	3454			1333	TERMINATE			
00032450	3455			1334	USZAK	ASSIGN	31,1,PH	NEW STATUS = OPC
00032460	3456			1335	TEST L		PHB,6,USZAS	WAS A/C NMC
00032470	3457			1336	TABULATE		MMTAB(13,PH5)	NMC TIME DURATION
00032480	3458			1337	USZAS	TRANSFER	SRK,CHMCA,16PH	UPDATE A/C MISSION CAPABILITY
00032490	3459			1338	JOIN		MMTAB(19,PH5)	UPC A/C
00032500	3460			1339	ASSIGN		23-25,PH	CLEAR THESE PB'S
00032510	3461			1340	USZAY	PRIORITY	9J	NORMAL PRIORITY
00032520	3462			1341	ASSIGN		14,PH	RESET
00032530	3463			1342	LEAVE		PH21	EVENT STORAGE
00032540	3464			1343	REMOVE		PH34	A/C IN MAINTENANCE
00032550	3465			1344	MARK		15PF	TIME MAINTENANCE COMPLETED
00032560	3466			1345	ASSIGN		47,PH	RESET GROUND CREW PREFLIGHT NOT
00032570	3467			1345				NEEDED FLAG
00032580	3468			1346	ASSIGN		34,2,PH	LOCATION = FLIGHT DECK
00032590	3469			1347	ASSIGN		9,5,PH	LAST ACTIVITY = TURNAROUND INSP
00032600	3470			1343	TRANSFER		1CMBC	
00032610	3471			1343	USZAG	UNLINK	PH17,USZAU,1,4PB,0,08G16	A/C THIS REPAIR
00032620	3472			1350	TEST L		PH21,3,USZAT	WAS NO SPARE AVAILABLE

LINE#	STMT#	IF DO	BLK#	LOC	OPERATION	ADDRESS	COMMENTS
0032630	3473			UNLINK	USZAI,USZAV,1,3PF	REPAIR XACT ON HOLDING CHAIN	
0032640	3474			ASSIGN	21,0,PH	RESET	
0032650	3475			LINK	PH0,14PH	CURRENT DISCREPANCIES	
0032660	3476			USZAU	31,PH13,PH	STATUS PRIOR TO IN-CYCLE MAINTENANCE	
0032670	3477			TRANSFER	SHR,CHMCA,16PH	UPDATE A/C MISSION CAPABILITY	
0032680	3478			TRANSFER	USZAV		
0032690	3479			ASSIGN	10,0,PH	DISCREPANCY STATUS = AMM	
0032700	3480			ASSIGN	16,3,PH	NEW AMM REASON = BACKLOG	
0032710	3481			ASSIGN	31,PH30,PH	NEW EDC = CURRENT EDC	
0032720	3482			TRANSFER	SHR,CHUSA,33PH	UPDATE DISCREPANCY STATUS	
0032730	3483			ASSIGN	17,13,PH	TASK = REMOVE	
0032740	3484			ASSIGN	21,0,PH	RESET	
0032750	3485			TRANSFER	SHR,USRAA,11PH	RELEASE MANPOWER	
0032760	3486			LOGIC	USZAI	OPEN THE GATE	
0032770	3487			LINK	PH3,14PH	REPAIRS AMM	
0032780	3488						
0032790	3489						
0032800	3490						
0032810	3491						
0032820	3492						
0032830	3493						
0032840	3494						
0032850	3495						
0032860	3496						
0032870	3497						
0032880	3498						
0032890	3499						
0032900	3500						
0032910	3501						
0032920	3502						
0032930	3503						
0032940	3504						
0032950	3505						
0032960	3506						
0032970	3507						
0032980	3508						
0032990	3509						
0033000	3510						
0033010	3511						
0033020	3512						
0033030	3513						
0033040	3514						
0033050	3515						
0033060	3516						
0033070	3517						
0033080	3518						
0033090	3519						
0033100	3520						
0033110	3521						
0033120	3522						
0033130	3523						
0033140	3524						
0033150	3525						
0033160	3526						
0033170	3527						
0033180	3528						

***** PAGE SUP - SUPPLY ACTION ROUTINE *****

SUPA TEST E PH46,0,5UPB HAS THIS TASK NOT PREVIOUSLY STARTED

TEST NE PR,92,SUPJ IS THIS NOT IN-CYCLE MAINTENANCE

ASSIGN 96,V5SUPPLY,PH SUPPLY RESPONSE DELAY

TEST L PH46,3,5UPH IS COMPUTED DELAY LESS THAN 10 MINUTES

ASSIGN 96,3,PH MAKE SUPPLY DELAY 10 MINUTES

TEST NE PH17,17,5UPH NOT A CANNIBALIZATION ACTION

MSAVEVALUE PH17,PH20,6,1,MM SUPPLY ACTIONS THIS MRA

MSAVEVALUE PH3,PH4,4,1,MM SUPPLY ACTIONS THIS SUBSYSTEM

MSAVEVALUE SYSUM,PH5,4,3,1,MM TOTAL SUPPLY ACTIONS

TEST GE RM6,MMPH19(PH2,3,1),SUPH IS THIS NOT AN ORG. LEVEL THROUGHWAY ITEM

SPLIT 1,1MAAA CREATE IMA REPAIR XACT

MARK 13PF TIME SUPPLY DELAY BEGAN

ASSIGN 32,1,PH DELAY FLAG

SAVEVALUE SPLAC,1,XF SPLIT BLOCK MATCH COUNT

ASSIGN 10,XF,SPLMC,PF SPLIT BLOCK MATCH COUNT

SPLIT 1,SUPC TIME DELAY XACT

LINK PH8,14PH REPAIRS IN WORK

ADVANCE PH46 SUPPLY RESPONSE DELAY

UNLINK PH8,SUPD,1,1,UPF REPAIR IN WORK

TERMINATE

SUPD ASSIGN 47,MP13PF,PH ADD TO ADMINISTRATIVE DELAY

ASSIGN 32,0,PH RESET

TEST NE PR,92,SUPG IS THIS NOT IN-CYCLE MAINTENANCE

TEST G MHPH19(PH20,44),0,SUPH IS SPARE AVAILABLE FROM SUPPLY

MSAVEVALUE PH19-PH20,44,1,MM DECKMENT RFI INVENTORY

TEST L MHPH19(PH2,3,1),SUPH IS THERE A NEW MINIMUM

MSAVEVALUE PH17,PH2,45,MHPH19(PH2,44),MM NEW MINIMUM

TEST NE PH17,17,PHFIAC NOT A CANNIBALIZATION ACTION

ASSIGN 17,14,PH TASK = INTALL SPARE

ASSIGN 47,0,PH RESET

TRANSFER USFAA

SUPF MSAVEVALUE PH14,PH20,6,4,1,MM TIMES NO SPARE RFI THIS MRA

MSAVEVALUE PH3,PH4,4,1,MM TIMES NO SPARE RFI THIS SUBSYSTEM

LINE#	STMT#	IF	DO	3LOCK#	PLUC	OPERATION	A,B,C,D,E,F,G	COMMENTS
00033190	3529			1399		MSAVEVALUE	SYSUM*,P85,44,1,MX	TOTAL TIMES NO SPARE RFI
00033200	3530			1400		TEST GE	WSCMCDU,2,SUPE	IS DISCREPANCY SCIN-RELATED
00033210	3531			1401		TEST E	MWSCOMPL(6,P85),0,SUPI	IS CANNIBALIZATION NOT AUTHORIZED
00033220	3532			1402	SUPE	ASSIGN	11,3,P8	REPAIR STATUS = AMP
00033230	3533			1403		ASSIGN	21,3,P8	COMPLETION CODE = AMP
00033240	3534			1404		TRANSFER	0US2AA	
00033250	3535			1405	SUPI	TEST E	MWSCOMPL(8,P85),1,SUPM	USING CANNIBALIZATION
00033260	3536			1406		TEST E	MWSCOMPL(10,P85),0,SUPE	SUSCEPTIBILITY OPTION CANNIBALIZATION
00033270	3537			1407		ASSIGN	17,16,P8	TASK = ATTEMPT TO CANNIBALIZE
00033280	3538			1408	SUPM	TRANSFER	0CANAA	
00033290	3539			1409	SUPJ	ASSIGN	06,MWSCOMPL(19,P85),PH	SUPPLY RESPONSE DELAY
00033300	3540			1410		TRANSFER	0SUPH	
00033310	3541			1411	SUPN	ADVANCE	PH46	ADMINISTRATIVE DELAY
00033320	3542			1412		TEST E	MWSCOMPL(19,P85),0,SUPE	IS SPARE NO LONGER AVAILABLE
00033330	3543			1413		ASSIGN	21,4,P8	COMPLETION CODE = AMP
00033340	3544			1414		ASSIGN	11,3,P8	REPAIR STATUS = AMP
00033350	3545			1415		TRANSFER	0US2AA	
00033360	3546			1416	SUPK	SPLIT	1,SUPD	CREATE BCM XACT
00033370	3547			1417		TRANSFER	0SUPB	
00033380	3548			1418	SUPD	ASSIGN	3,12,PH	XACT IDENT = ORG. LEVEL THROUAWAY
00033390	3549			1419		ASSIGN	28,9,P8	BCM CODE
00033400	3550			1420		TRANSFER	0BCMA	
00033410	3551							
00033420	3552							
00033430	3553							
00033440	3554							
00033450	3555							
00033460	3556							
00033470	3557							
00033480	3558							
00033490	3559							
00033500	3560							
00033510	3561							
00033520	3562							
00033530	3563							
00033540	3564							
00033550	3565							
00033560	3566							
00033570	3567							
00033580	3568							
00033590	3569							
00033600	3570							
00033610	3571							
00033620	3572							
00033630	3573							
00033640	3574							
00033650	3575							
00033660	3576							
00033670	3577							
00033680	3578							
00033690	3579							
00033700	3580							
00033710	3581							
00033720	3582							
00033730	3583							
00033740	3584							

***** PAGE IMA - INTERMEDIATE MAINTENANCE ROUTINE *****

IMA REPAIR PARAMETERS

* P83 = XACT IDENT

* 11 = IMA REPAIR

* 12 = ORG. LEVEL THROUAWAY

* P84-P812 = SAME AS FOR ORGANIZATIONAL REPAIR XACTS

* P813 = MANPOWER - INTERMEDIATE

* P814-P828 SAME AS FOR ORGANIZATIONAL REPAIR XACTS

* P83-P850 SAME AS FOR ORGANIZATIONAL REPAIR XACTS

* PF3-PF12 = SAME AS FOR ORGANIZATIONAL REPAIR XACTS

* PF13 = IMA REPAIR OR CHECKOUT TIME

***** PAGE IMAA - IMA ANALYSIS AND REPAIR *****

* IMAAA ASSIGN 3,11,P8

* TEST NE PH5,0,0,DIG34

* TEST NE XRA1SMFT,0,1MAAD

* IMAAP MARK 11PF

* ASSIGN 13,MWSCOMPL(19,P85),0,SUPE

* TEST E PH2,0,0,BCMA

* TEST NE MXOPH3(PH4,11),0,1MAAM

* TEST E PH22,0,1MAAB

* IMAAN ASSIGN 13,V81NEPT,PF

* TEST L PF13,2,1MAAI

* TEST E PH22,0,1MAAB

* IMAAN ASSIGN 13,V81NEPT,PF

* TEST L PF13,2,1MAAI

* TEST E PH22,0,1MAAB

* IMAAN ASSIGN 13,V81NEPT,PF

* TEST L PF13,2,1MAAI

* TEST E PH22,0,1MAAB

* IMAAN ASSIGN 13,V81NEPT,PF

* TEST L PF13,2,1MAAI

XACT IDENT, 11 = IMA REPAIR
CHECK FOR VALID WORK CENTER I.D.
IS THERE A CURRENT SHIFT
TIME ENTERED 14A

13,MWSCOMPL(19,P85),0,SUPE
IS REPAIR NOT BCM
IS THIS SUBSYSTEM SUBJECT TO
MISDIAGNOSIS

IS REPAIR REQUIRED (ITEM NOT NRR)
IMA REPAIR TIME
IS COMPUTED TIME LESS THAN
12 MINUTES

LINE# STMT# IF DO BLOCK# *LOC OPERATION A,B,C,D,E,F,G COMMENTS

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00033750 3565      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00033760 3566      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00033770 3567      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00033780 3568      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00033790 3569      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00033800 3570      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00033810 3571      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00033820 3572      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
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00033840 3574      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
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00034000 3590      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034010 3591      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034020 3592      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034030 3593      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034040 3594      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
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00034080 3598      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034090 3599      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
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00034110 3601      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034120 3602      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034130 3603      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034140 3604      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
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00034160 3606      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
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00034220 3612      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034230 3613      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
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00034260 3616      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034270 3617      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034280 3618      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034290 3619      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034300 3620      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034310 3621      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034320 3622      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034330 3623      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
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00034360 3626      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034370 3627      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034380 3628      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034390 3629      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034400 3630      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034410 3631      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034420 3632      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034430 3633      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034440 3634      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034450 3635      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034460 3636      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034470 3637      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034480 3638      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034490 3639      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
00034500 3640      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *

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MAKE TIME DELAY = 12 MINUTES
TIME TASK BEGAN
DOES REMAINING TIME TO REPAIR NOT
EXCEED REMAINING SHIFT DURATION
SPLIT BLOCK MATCH COUNT
SPLIT BLOCK MATCH COUNT
TIME DELAY XACT
ITEMS IN IMA REPAIR
IMA CHECKOUT TIME
IS COMPUTED TIME LESS THAN
12 MINUTES
MAKE TIME DELAY = 12 MINUTES
TIME TASK BEGAN
DOES REMAINING TIME TO REPAIR NOT
EXCEED REMAINING SHIFT DURATION
SPLIT BLOCK MATCH COUNT
SPLIT BLOCK MATCH COUNT
TIME DELAY XACT
ITEMS IN IMA CHECKOUT
IMA REPAIR
ITEM IN IMA REPAIR
IMA CHECKOUT TIME
ITEM IN IMA CHECKOUT
TOTAL IMA REPAIRS
MM COL. NR. - IMA MTR
ENT
IS COMPUTED TIME LESS THAN 1 HOUR
MAKE EMT 1 HOUR
MANPOWER - INTERMEDIATE
UPDATE AIMD STATISTICS
NRR ACTIONS THIS WORK CENTER
TOTAL NRR ACTIONS
NRR ACTIONS THIS WORK CENTER
TOTAL AIMD NRR ACTIONS
3-DIGIT RANDOM NUMBER
IS THIS A NRR ITEM
BLOCK DESTINATION
IMA REPAIRS AM4
IS THERE NOT A SHIFT CHANGE
IS THERE A CURRENT ORG. SHIFT
LET I XACT IN
CLOSE THE GATE
NUMBER OF SQUADRONS
REPAIRS AMP THIS WRA
THIS SQUADRON

**** PAGE RFI - READY FOR ISSUE ROUTINE ****

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1473      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
1474      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
1475      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
1476      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
1477      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
1478      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *

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RFIAA GATE LR
TEST ME
GATE LR
LOGIC S
ASSIGN
UNLINK

LINE#	STMT#	IF	LOC	OPERATION	A,B,C,D,L,F,G	COMMENTS
00034310	3641			LOOP	1PB,RFIAC	DO FOR ALL SQUADRONS
00034320	3642			TEST ME	MRFIAC, ,RFIAB	IS THERE AT LEAST ONE REPAIR AMP
00034330	3643			PRIORITY	5,BUFFER	PROCESS UNLINKED XACT(S)
00034340	3644			UNLINK	RF11,RFIAC,1,,RFIAU	IS A/C AMP THIS WRA DUE FOR
00034350	3645					CALENDAR INSPECTION
00034360	3646			UNLINK	RF11,RFIAC,ALL	REMAINING XACTS ON HOLDING CHAIN
00034370	3647			UNLINK	RF12,RFIAC,ALL	REMAINING XACTS ON HOLDING CHAIN
00034380	3648			UNLINK	RF13,RFIAC,ALL	REMAINING XACTS ON HOLDING CHAIN
00034390	3649			UNLINK	RF14,RFIAC,ALL	REMAINING XACTS ON HOLDING CHAIN
00034400	3650			PRIORITY	5,BUFFER	PROCESS ALL HIGHER PRIORITY XACTS
00034410	3651			LOGIC R	RF11	OPEN THE GATE
00034420	3652			TERMINATE		
00034430	3653			RFIAC LINK	PH12,RFID	REPAIRS AMP
00034440	3654			RFIAC UNLINK	RF12,RFIAC,1,1PB,1,RFIAC	IS A/C AMP THIS WRA NMC
00034450	3655					WITH ONLY 1 MISSING WRA
00034460	3656			TRANSFER	RFIAC	
00034470	3657			UNLINK	RF13,RFIAC,1,1PB,1,RFIAC	IS A/C AMP THIS WRA NMC
00034480	3658					WITH ONLY 1 MISSING WRA
00034490	3659			TRANSFER	RFIAC	
00034500	3660			UNLINK	RF13,RFIAC,1,,RFIAC	IS A/C AMP THIS WRA NMC
00034510	3661			TRANSFER	RFIAC	
00034520	3662			UNLINK	RF12,RFIAC,1,,RFIAC	IS A/C AMP THIS WRA NMC
00034530	3663			TRANSFER	RFIAC	
00034540	3664			UNLINK	RF14,RFIAC,1,,RFIAC	IS THERE AT LEAST 1 REPAIR AMP
00034550	3665			TRANSFER	RFIAC	
00034560	3666			UNLINK	RF15,RFIAC,ALL,,DBG07	REPAIRS AMP FROM A/C IN
00034570	3667					CALENDAR/PHASED INSPECTION
00034580	3668			TRANSFER	RFIAC	
00034590	3669			TEST E	MHSTYPE(6,PB6),1,RFIAC	OPERATING UNDER CALENDAR MAINT
00034600	3670			SCAN	PH7,PH8,PB4,3PB,1PB	GET CALENDAR INSPECTION FLAG.
00034610	3671			TEST E	PH1,1,RFIAC	IS A/C DUE FOR CALENDAR INSP.
00034620	3672			LINK	RF11,RFIAC	HOLDING CHAIN
00034630	3673			SCAN	PH7,PH8,PB4,3PB,4PB	GET A/C ACTIVITY
00034640	3674			TEST E	PH9,2,RFIAC	IS A/C IN UNSCHEDULED MAINTENANCE
00034650	3675			SCAN	PH7,PH8,PB4,3PB,1PB	GET REPAIRS AMP THIS A/C
00034660	3676			TEST G	PH1,3,DBG07	IS THERE AT LEAST 1 REPAIR AMP
00034670	3677			SCAN	PH7,PH8,PB4,3PB,6PB	GET A/C STATUS
00034680	3678			TEST E	PH8,2,RFIAC	IS A/C NMC
00034690	3679			LINK	RF12,1PB	HOLDING CHAIN
00034700	3680			TEST G	PH8,2,RFIAC	IS A/C NMC
00034710	3681			LINK	RF13,1PB	HOLDING CHAIN
00034720	3682			LINK	RF14,1PB	HOLDING CHAIN
00034730	3683			LINK	RF15,1PB	HOLDING CHAIN
00034740	3684			RFIAC MSAREVALUE	PH19,PH20,4,1,MH	SPARES CURRENTLY WFI
00034750	3685			LOGIC R	RF11	OPEN THE GATE
00034760	3686			TERMINATE		
00034770	3687			RFIAC TEST E	PH17,17,RFIAC	MAS REMOVAL FOR CANNIBALIZATION
00034780	3688			ASSIGN	33,PB17,PB	PREVIOUS MAINTENANCE ACTION TASK
00034790	3689			ASSIGN	17,13,PB	TASK = REPLACE AFTER CANNIBALIZATION
00034800	3690			SAVEVALUE	CUJCM,PF1,XF	CURRENT JCN
00034810	3691			SAVEVALUE	JCN,1,XF	NEW JCN
00034820	3692			ASSIGN	3,RFJCN,FF	NEW JCN
00034830	3693			ALTER	PH5,1,3PF,PF3,3PF,XF8CUJCN	NEW JCN
00034840	3694			ASSIGN	49,,PH	RESET
00034850	3695			PRIORITY	10,BUFFER	PROCESS ALL HIGHER PRIORITY XACTS
00034860	3696			TEST ME	PH23,,RFIAC	IS DISCREPANCY SCIR-RELATED

LINE#	STMT#	IF	DO	BLOCK#	*LOC	OPERATION	A,B,C,D,E,F,G	COMMENTS
00035990	3809			1619	CANAT	LOGIC R	CANAL	OPEN THE GATE
00036000	3810			1620	TRANSFER		USZAA	
00036010	3811			1621	CANAM	LOGIC S	CANAA	VICTIM A/C SELECTED
00036020	3812			1622	TRANSFER		SB4,UPDAA,16PH	UPDATE SCIN STATISTICS
00036030	3813			1623	SAVEVALUE		TALCV,PB4,XB	TAIL NUMBER OF VICTIM A/C
00036040	3814			1624	SCAN		CANAL,6PF,XFNMWUC,3PH,3PH,DBG03	SYSTEM MA INDEX
00036050	3815			1625	SCAN		CANAL,6PF,XFNMWUC,4PH,4PH	SYSTEM MA FOM NUMBER
00036060	3816			1626	SCAN		CANAL,6PF,XFNMWUC,19PH,19PH	SUSYSTEM MM INDEX
00036070	3817			1627	SCAN		CANAL,6PF,XFNMWUC,23PH,23PH	SUSYSTEM MM KJM NUMBER
00036080	3818			1628	SPLIT		1,CANAJ,26PB,35PB,9PF	CANIBALIZATION DISCREPANCY
00036090	3819							THIS VICTIM A/C
00036100	3820			1629	GATE LS		CANAS	PROCESS SPLIT ACT
00036110	3821			1630	LOGIC R		CANAS	RESET
00036120	3822			1631	LOGIC S		CANAZ	PROCESS ENTERING RACT
00036130	3823			1632	GATE LS		CANAZ	STAY OFF A/C CHAIN
00036140	3824			1633	LINK		PH26,24PH	A/C IN MAINTENANCE
00036150	3825			1634	CANAJ ASSIGN		3,6,PB	IJENT - CANIBALIZED DISCREPANCY
00036160	3826			1635	ASSIGN		1J-26,0,PB	CLEAR THERE PB'S
00036170	3827			1636	ASSIGN		11,2,PB	NEW REPAIR STATUS - AMH
00036180	3828			1637	ASSIGN		16,3,PB	AMH REASON - BACKLOG
00036190	3829			1638	TRANSFER		SB4,DISAA,11PH	ANALYZE CANIBALIZATION DISCREPANCY
00036200	3830			1639	PRIORITY		4J	
00036210	3831			1640	SPLIT		1,CANAP,,6PB,11PH	TJ CREATE CANIBALIZATION ACTION
00036220	3832			1641	MSAVEVALUE		PH19,,PH20,,61,1,MH	CANIBALIZATION ACTIONS THIS
00036230	3833							MR
00036240	3834			1642	MSAVEVALUE		PH3,,PH4,,41,1,MK	CANIBALIZATION ACTIONS THIS
00036250	3835							SUSYSTEM
00036260	3836			1643	MSAVEVALUE		SYSUM,,PH5,,41,1,MK	TOTAL CANIBALIZATION ACTIONS
00036270	3837			1644	JOIN		PH5	CURRENT DISCREPANCIES
00036280	3838			1645	LINK		PH6,LIFO	CURRENT DISCREPANCIES
00036290	3839			1646	CANAP TRANSFER		SB4,RANA,11PH	CREATE CANIBALIZATION ACTION
00036300	3840			1647	LOGIC S		CANAS	PROCESS VICTIM A/C RACT
00036310	3841			1648	TERMINATE			
00036320	3842			1649	CANAS UNLINK		PH17,CANAH,1,4PB,PH29,DBG24	VICTIM A/C
00036330	3843			1650	TRANSFER		,CANAG	
00036340	3844							
00036350	3845							
00036360	3846							
00036370	3847							
00036380	3848							
00036390	3849							
00036400	3850			1651	CANBA PRIORITY		25	REDUCE PRIORITY
00036410	3851			1652	CANBA GATE LR		HF11,CANHC	IS RFI ROUTINE IDLE
00036420	3852			1653	GATE LR		CAN31	LET 1 RACT IN
00036430	3853			1654	LOGIC S		CAN31	CLOSE THE GATE
00036440	3854			1655	SAVEVALUE		TALPV,PB4,XB	TAIL NUMBER THIS A/C
00036450	3855			1656	UNLINK		PH31,CANBD,ALL,8V,CANB1,,CANBE	CANDIDATE REPAIRS
00036460	3856							FUR CANIBALIZING THIS A/C
00036470	3857			1657	BUFFER			PROCESS UNLINKED RACTS
00036480	3858			1659	UNLINK		CAN31,CANBJ,ALL	REPAIRS AMP FUR A/C AWAITING
00036490	3859							CALENDAR INSPECTION
00036500	3860			1659	UNLINK		CAN32,CANBJ,ALL	REPAIRS AMP FKJM NMC A/C HAVING ONLY
00036510	3861							1 AMP DISCREPANCY
00036520	3862			1659	UNLINK		CAN33,CANBJ,ALL	REPAIRS AMP FKJM NMC A/C
00036530	3863			1659	UNLINK		CAN34,CANBJ,ALL	REPAIRS AMP FKJM PMC A/C
00036540	3864				BUFFER			PROCESS UNLINKED RACTS
00036550	3865			1659	CANBE LOGIC R		CAN31	OPEN THE GATE

LINE# STATE IF DO BLOCK# *LUC OPERATION A,B,C,D,E,F,G COMMENTS

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00036550 3665 1664 TERMINATE 1 WAIT 1 CLOCK UNIT
00036560 3666 1655 CANVC ADVANCE
00036570 3667 1666 TRANSFER ,CANVB
00036580 3668 1657 CAVND MSVALUE PH19,PH2,46,0,MH RESET NOT AVAILABLE FLAG
00036590 3669 1665 TEST E MHSTPE(0,PB0),1,CANVF OPERATING UNDER CALENDAR
* MAINTENANCE
00036600 3670 1669 SCAN PH7,4PH,PB4,3PB,1P3 GET CALENDAR INSPECTION FLAG
00036610 3671 1670 TEST E PB1,1,CANVF IS A/C DJE FOR CALENDAR INSP.
00036620 3672 1671 CANB1,FIFO HOLDING CHAIN
00036630 3673 1672 CANBF SCAN PH7,4PH,PB4,9PB,9PB GET A/C ACTIVITY
00036640 3674 1673 TEST ME PB9,9,CANVBG IS A/C NOT IN CALENDAR INSPECTION
00036650 3675 1674 SCAN PH7,4PH,PB4,9PB,4PH GET A/C MISSION CAPABILITY
00036660 3676 1675 SCAN PH7,4PH,PB4,24PH,1PH GET A/C ITR
00036670 3677 1676 SCAN PH7,4PH,PB4,3PB,3PB GET REPAIRS AMP THIS A/C
00036680 3678 1677 TEST E PB8,26,CANBH IS A/C NMC
00036690 3679 1679 TEST E PB37,1,CANB1 IS THIS THE ONLY AMP DISCREPANCY
* THIS A/C
00036700 3680 1679 LINK CANH2,1PH HOLDING CHAIN
00036710 3681 1679 CANB1 LINK CANH3,1PH HOLDING CHAIN
00036720 3682 1680 CANBH TEST G PB8,2,DBG49 IS A/C PMC
00036730 3683 1681 CANB1 LINK CANH4,1PB HOLDING CHAIN
00036740 3684 1682 CANBG LINK PH17,FIFU REPAIRS AMP
00036750 3685 1683 CANBJ SAVEVALUE WRACD,PF5,XF A/C-MKA CODE THIS MRA
00036760 3686 1684 SAVEVALUE WRACC,VWRAC,C,XF A/C MKA CODE - A/C THAT JUST BECAME
* AVAILABLE FOR CANNIBALIZATION
00036770 3687 1685 SCAN PH5,5PF,XFWRACC,,CANBH IS THERE A DISCREPANCY
* AGAINST THIS MRA IN A/C THAT JUST
* BECAME AVAILABLE FOR CANNIBALIZATION
00036780 3688 1687 TRANSFER ,CANBG IS THIS MRA AVAILABLE
00036790 3689 1688 CANBH TEST E MHSPH19(PH20,46),0,CANBG FOR CANNIBALIZATION
* THIS MRA IS NO LONGER AVAILABLE
* FOR CANNIBALIZATION
00036800 3690 1689 MSVALUE PH19,PH2J,46,1,MH THIS MRA IS NO LONGER AVAILABLE
* FOR CANNIBALIZATION
00036810 3691 1690 ASSIGN 29,48,8TALPV,PB TAIL NUMBER OF VICTIM A/C
00036820 3692 1691 ASSIGN 43,CANB6L,PH TRANSFER BLOCK
00036830 3693 1692 CANBL TRANSFER ,CANAA
*
00036840 3694 1693 ***** PAGE CAL - CALENDAR MAINTENANCE ROUTINE *****
00036850 3695 1694 * PAGE CALA - SELECT A/C FOR CALENDAR MAINTENANCE
00036860 3696 1695 CALAA PRIORITY 55
00036870 3697 1696 ASSIGN 0,MH8CUMPL(2,PB5),PB A/C TYPE
00036880 3698 1697 ADVANCE VBTCL1 FIRST CALENDAR INSPECTION
00036890 3699 1698 INDEX IPH,1 I.O. THIS CALENDAR INSPECTION EVENT
00036900 3900 1699 SPLIT 1,CALAC,,3PH,9PB CALENDAR INSPECTION CALLING RACT
00036910 3901 1700 ADVANCE VCCINT NEXT CALENDAR INSPECTION
00036920 3902 1701 TRANSFER ,CALAN
00036930 3903 1702 CALAC ASSIGN 5,MH8GKP(7,PH5),PH GROUP INDEX - A/C THIS SODRM
00036940 3904 1703 SCAN PH3,21PB,V8,CALL,4PB,4PB GET TAIL NUMBER OF A/C
* DUE FOR CALENDAR INSPECTION
00036950 3905 1704 ALTER PH3,1,3PB,1,4PB,9PB A/C CALENDAR INSPECTION FLAG
00036960 3906 1705 CALAG SCAN PH3,4PF,PB4,9PB,9PB GET A/C ACTIVITY
00036970 3907 1706 SCAN PH3,4PH,PB4,34PB,8PB GET A/C LOCATION
00036980 3908 1707 TEST C MH8,CALAV,1,CALAE IS A/C AVAILABLE FOR CALENDAR
* INSPECTION
00036990 3909 1708
00037000 3910 1709
00037010 3911 1710
00037020 3912 1711
00037030 3913 1712
00037040 3914 1713
00037050 3915 1714
00037060 3916 1715
00037070 3917 1716
00037080 3918 1717
00037090 3919 1718
00037100 3920 1719

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LINE#	STAT#	IF	DO	BLOCK#	LOC	OPERATION	OPERATION	COMMENTS
00037110	3921			1706		UNLINK		MMSCHA(6,PB5),CALAF,1,4PB,0,0B11 A/C DUE FOR CALENDAR INSPECTION
00037120	3922			1707		TERMINATE		
00037130	3923			1708		CALAF ADVANCE		
00037140	3924			1709		TRANSFER		
00037150	3925			1710		CALAF TRANSFER		UPDATE SCIR STATISTICS
00037160	3926			1711		ASSIGN		RESET GROUND CREW PREFLIGHT NOT NEEDED FLAG
00037170	3927			1712		ASSIGN		MISSION CAPABILITY PRIOR TO SCHEDULED INSPECTION
00037180	3928			1713		ASSIGN		NEW MISSION CAPABILITY - MMC
00037190	3929			1714		TRANSFER		UPDATE A/C MISSION CAPABILITY
00037200	3930			1715		JOIN		A/C IN MAINTENANCE
00037210	3931			1716		ASSIGN		ACTIVITY - UNDERGOING SCHEDULED INSPECTION
00037220	3932			1717		ASSIGN		21,MMSTJ(17,PB5),PH EVENT - SCHEDULED INSPECTION
00037230	3933			1718		ENTER		PH21
00037240	3934			1719		TEST E		BYSCYOPS,1,CALAF CYCLIC OPS
00037250	3935			1720		ASSIGN		38,2,PB SCHEDULED INSPECTION FLAG - AWAITING RESPT
00037260	3936			1721		ASSIGN		18,VARSPT,PH TIME TO RESPT A/C
00037270	3937			1722		TEST L		PH1,MMSCOMPL(17,PB5),CALAF IS COMPUTED RESPT TIME LESS THAN MINIMUM
00037280	3938			1723		ASSIGN		19,MMSCOMPL(17,PB5),PH MINIMUM RESPT TIME
00037290	3939			1724		CALAF GATE LS		RSPN3,CALAF OK TO RESPT A/C
00037300	3940			1725		TEST ME		PB34,1,CALAF IS A/C NOT ON HANGAR DECK
00037310	3941			1726		CALAF GATE SNF		MMSTJ(17,PB5),CALAF IS HANGAR DECK MAINTENANCE SPACE AVAILABLE
00037320	3942			1727		ENTER		MMSTJ(17,PB5) GET MAINTENANCE SPACE
00037330	3943			1728		ASSIGN		34,4,PB LOCATION - UNDERGOING RESPT
00037340	3944			1729		ADVANCE		PH13 RESPT TIME
00037350	3945			1730		ASSIGN		34,1,PB LOCATION - HANGAR DECK MAINTENANCE SPACE
00037360	3946			1731		CALAF ASSIGN		39,3,PB SCHEDULED INSP. FLAG - IN PROGRESS
00037370	3947			1732		ASSIGN		1,XBSMEG1,PB MAKE PBI - -1
00037380	3948			1733		INITIAL		XBSMEG1,-1
00037390	3949			1734		TEST E		MMSTJ(17,PB5),1,CALAF OPERATING UNDER CALENDAR MAINTENANCE
00037400	3950			1735		ASSIGN		40,V8CALID,PH CALENDAR INSPECTION DURATION
00037410	3951			1736		CALAF SPLIT		11,CALAF,1PB,38PB,49PB,15PF SCHED. MAINT. TASKS BY WORK CENTER
00037420	3952			1737		LINK		PH26,FIF A/C IN MAINTENANCE
00037430	3953			1738		CALAF ASSIGN		11,CALAF,PH UNLINK DESTINATION
00037440	3954			1739		LINK		SPOTO,FIFO A/C AWAITING RESPT
00037450	3955			1740		CALAF ASSIGN		11,CALAF,PH UNLINK DESTINATION
00037460	3956			1741		LINK		SPOTO,FIFO A/C AWAITING RESPT
00037470	3957			1742		CALAF ASSIGN		3,15,PB IDENT. - SCHEDULED MAINTENANCE TASK
00037480	3958			1743		MARK		2PF TIME FACT CREATED
00037490	3959			1744		MARK		15PF TIME SCHED. MAINTENANCE BEGAN THIS A/C
00037500	3960			1745		PRIORITY		37 REDUCE PRIORITY
00037510	3961			1746		ASSIGN		11,4,PF RESET
00037520	3962			1747		ASSIGN		7,MMSCAP(17,PB5),PH GROUP INDEX - SQUADRON
00037530	3963			1748		ASSIGN		17,MMSCAP(17,PB5),PH CHAIN INDEX - A/C IN MAINT.
00037540	3964			1749		ASSIGN		27,MMSTYP(17,PB5),PH MM INDEX - SCHEDULED MAINT.
00037550	3965			1750		ASSIGN		MMSTYP(17,PB5),1,PHABA OPERATING UNDER CALENDAR
00037560	3966			1751		TEST L		
00037570	3967			1752				
00037580	3968			1753				
00037590	3969			1754				
00037600	3970			1755				
00037610	3971			1756				
00037620	3972			1757				
00037630	3973			1758				
00037640	3974			1759				
00037650	3975			1760				
00037660	3976			1761				

LINE#	STMT#	IF DO	BLKCR#	LOC	OPERATION	A,B,C,D,E,F,G	COMMENTS	MAINTENANCE
00037670	3977				TRANSFER	CALBA		
00037680	3978		1750		CALAU ASSIGN	4,MH8PHJ6(12,V8PHMAJ4),PH		PHASED INSP. DURATION
00037690	3979		1751		TRANSFER	CALAM		
00037700	3980		1752					
00037710	3981							
00037720	3982							
00037730	3983							
00037740	3984							
00037750	3985							
00037760	3986							
00037770	3987							
00037780	3988							
00037790	3989							
00037800	3990							
00037810	3991							
00037820	3992		1753		CALBA TEST ME	MH8PH27(PB1,2),J,CALCA	DOES THIS M.C. HAVE A CALENDAR	
00037830	3993							
00037840	3994		1754		ASSIGN	13-14,MH8PH27(PB1,3),PH	CALENDAR MAINT. TASK DURATION	
00037850	3995							
00037860	3996		1755		ASSIGN	38,MH8PH27(PB1,2),PB	MANPOWER REQUIRED THIS WORK	
00037870	3997							
00037880	3998		1756		CALBP ASSIGN	5,MH8GRP(11,PB5),PH	GROUP INDEX - DISCREPANCIES	
00037890	3999							
00037900	4000		1757		ASSIGN	6,MH8CHA(11,PB5),PH	THIS SQUADRON	
00037910	4001							
00037920	4002		1759		ASSIGN	7,MH8GRP(6,PB5),PH	GROUP INDEX - A/C THIS SQRN	
00037930	4003		1759		ASSIGN	8,MH8CHA(9,PB5),PH	CHAIN INDEX - REPAIRS IN WORK	
00037940	4004		1760		ASSIGN	9,MH8CHA(12,PB5),PH	CHAIN INDEX - REPAIRS AMM	
00037950	4005		1761		ASSIGN	17,MH8CHA(2,PB5),PH	CHAIN INDEX - A/C IN MAINT.	
00037960	4006		1762		ASSIGN	45,MH8PH27(PB1,1),PH	WORK CENTER I.D.	
00037970	4007		1763		ASSIGN	13,2,PB	STATUS - AMM	
00037980	4008		1764		ASSIGN	13,1,PH	TASK LOCATION - HANGAR DECK	
00037990	4009		1765		TEST E	BV8CYUPS,1,CALAP	CYCLIC OPS	
00038000	4010		1766		ASSIGN	21,PH	RESET	
00038010	4011		1767		SAVEVALUE	MKCPH,59,XD	PM INDEX	
00038020	4012		1768		SAVEVALUE	MKC,PH45,XH	WORK CENTER I.D. - ORGANIZATIONAL	
00038030	4013		1769		TRANSFER	SUB,RAND,11PH	ASSIGN ORG. WORK CENTER STORAGE,	
00038040	4014						QUEUE AND GROUP INDECS	
00038050	4015		1770		ASSIGN	3J-31,0,PB	CLEAR THESE PH'S	
00038060	4016		1771		ASSIGN	2H-31,26,1,PH	1JC - SCHEDULED MAINTENANCE	
00038070	4017		1772		ASSIGN	4B-49,0,PH	CLEAR THESE PH'S	
00038080	4018		1773		SAVEVALUE	JCN,1,XF	NEXT AVAILABLE JCN	
00038090	4019		1774		ASSIGN	3,4F8JCN,PF	MATCHING PARAMETER	
00038100	4020		1775		SPLIT	1,CALBO	SCHEDULED MAINTENANCE DISCREPANCY	
00038110	4021		1776		PRIORITY	30,BUFFER	PROCESS SPLIT RACT	
00038120	4022		1777		PRIORITY	37	NORMAL SCHED. MAINT. TASK PRIORITY	
00038130	4023		1778		CALBO SCAN	PH7,4PB,2B4,4PB,4PB	GET A/C ASSIGN CAPABILITY	
00038140	4024		1779		TEST E	PB31,0,CALBE	IS TASK NOT ALREADY IN MANPOWER	
00038150	4025						QUEUE	
00038160	4026		1790		QUEUE	PH92	MANPOWER QUEUE	
00038170	4027		1791		QUEUE	MH8JUE(12,PB5)	EVENT QUEUE	
00038180	4028		1792		ASSIGN	3J-31,1,PB	SET QUEUE FLAGS	
00038190	4029		1793		GATE LR	SCJ1	IS THERE NOT A SHIFT CHANGE	
00038200	4030		1794		TEST ME	X58JSHFT,0,CALBC	IS THERE A CURRENT SHIFT	
00038210	4031		1795		GATE LR	UPDA1	IS PAGE UPD SUBROUTINE IDLE	
00038220	4032		1796		ASSIGN	1B,49JUSHT,PH	CURRENT SHIFT	

LINE#	STMT#	IF DO	BLOCK#	FLUC	OPERATION	A.O.C.O.E.F.G	COMMENTS
00030230	4033		1737		ASSIGN	49,PH13,PH	TOTAL TASK ENT
00030240	4034		1738		TEST GE	SPLMC+,1,PF	SPLIT BLOCK MATCH COUNT
00030250	4035		1739		ENTER	10,XF8SPLMC,PF	SPLIT BLOCK MATCH COUNT
00030260	4036		1740		DEPART	1,CALBM	TIME DELAY XACT
00030270	4037		1741		DEPART	PH8,14PH	TASKS IN WORK
00030280	4038		1742		ASSIGN	11,2,PH	NEW STATUS = ADM
00030290	4039		1743		ASSIGN	16,3,PH	REASON CODE = BACKLOG
00030300	4040		1744		MARK	PH9,UPDA1,1,CALBO	UPDATE SCIR STATISTICS?
00030310	4041		1745		MARK	UPDA1	IS PAGE JPD KOUTINE STILL IDLE
00030320	4042		1746		TEST E	PH17,CALBK,1,4PB,,DRG12 A/C IN MAINTENANCE	PROCESS UNLINKED XACT
00030330	4043		1747		MARK	20,BUFFER	PROCESS UNLINKED XACT
00030340	4044		1748		UNLINK	37	NORMAL PRIORITY
00030350	4045		1749		PRIORITY	58R,CHDSA,33PH	UPDATE DISCREPANCY STATUS
00030360	4046		1800		PRIORITY	12PF	TASK START TIME THIS SHIFT
00030370	4047		1801		ASSIGN	PH49,3,CALBL	WAS THIS TASK NOT BEEN PREVIOUSLY STARTED
00030380	4048		1802		TRANSFER		
00030390	4049		1803		MARK		
00030400	4050		1804		TEST E		
00030410	4051		1805		ASSIGN		
00030420	4052		1806		ASSIGN		
00030430	4053		1807		ASSIGN		
00030440	4054		1808		ASSIGN		
00030450	4055		1809		ASSIGN		
00030460	4056		1810		LINK		
00030470	4057		1811		ASSIGN		
00030480	4058		1812		ASSIGN		
00030490	4059		1813		TEST E		
00030500	4060		1814		GATE LR		
00030510	4061		1815		UNLINK		
00030520	4062		1816		PRIORITY		
00030530	4063		1817		PRIORITY		
00030540	4064		1818		TRANSFER		
00030550	4065		1819		LINK		
00030560	4066		1820		ASSIGN		
00030570	4067		1821		ASSIGN		
00030580	4068		1822		TRANSFER		
00030590	4069		1823		TRANSFER		
00030600	4070		1824		LINK		
00030610	4071		1825		LINK		
00030620	4072		1826		UNLINK		
00030630	4073		1827		TERMINATE		
00030640	4074		1828		ASSIGN		
00030650	4075		1829		ASSIGN		
00030660	4076		1830		TRANSFER		
00030670	4077		1831		UNLINK		
00030680	4078		1832		TRANSFER		
00030690	4079		1833		TRANSFER		
00030700	4080		1834		TERMINATE		
00030710	4081		1835		ASSIGN		
00030720	4082		1836		JOIN		
00030730	4083		1837		TRANSFER		
00030740	4084				LINK		
00030750	4085						
00030760	4086						
00030770	4087						
00030780	4088						

6PSS/W VM/370 RELEASE 1.0 (4Y142) 10 DEC 82 10140134 FILE: ATENCOPS

LINE# STATE IF DO BLOCK# *LOC OPERATION A,B,C,D,E,F,G COMMENTS

00038790	4059						11	CALENDAR MAINTENANCE TASKS
00038800	4090							PH7,4PM,0.84,4.3PM,3.6PM GET SCHEDULED MAINTENANCE
00038810	4091							DURATION THIS A/C
00038820	4092							REMAINING CALENDAR MAINTENANCE
00038830	4093							DURATION THIS A/C
00038840	4094							ANY REMAINING DURATION
00038850	4095							COMPLETE DURATION
00038860	4096							A/C IN CALENDAR MAINTENANCE
00038870	4097							
00038880	4098							UPDATE SCIR STATISTICS
00038890	4099							STATUS = STATUS PRIOR TO UNSCHEDULED
00038900	4100							MAINTENANCE
00038910	4101							UPDATE A/C MISSION CAPABILITY
00038920	4102							INSPECTIONS BY EVENT
00038930	4103							LAST INSPECTION = CALENDAR/PHASED
00038940	4104							OPERATING UNDER CALENDAR
00038950	4105							MAINTENANCE
00038960	4106							CHECK FLIGHT FLAG
00038970	4107							EVENT STORAGE
00038980	4108							SYSTEM/SUBSYSTEM MATRIX COL. - WHEN
00038990	4109							DISCOVERED = CALENDAR INSPECTION
00039000	4110							TEST FOR NEW DISCREPANCIES
00039010	4111							ARE THERE NEW DISCREPANCIES
00039020	4112							IS A/C OPC
00039030	4113							UPC A/C
00039040	4114							AVAILABLE FOR MISSION CALL
00039050	4115							CYCLIC OPS
00039060	4116							OK TO RESPUT A/C
00039070	4117							RESPUT TO FL1647 DECK
12/10/82	4118							RESPUT TIME
00039080	4119							A/C IN MAINTENANCE
00039090	4120							TIME MAINTENANCE COMPLETED
00039100	4121							RESET GROUND CREW PREFLIGHT NOT
00039110	4122							NEEDED FLAG
00039120	4123							A/C NOT IN MAINTENANCE
00039130	4124							U/D STATUS CHANGE OCCUR
00039140	4125							UPDATE A/C MISSION CAPABILITY
00039150	4126							
00039160	4127							
00039170	4128							
00039180	4129							
00039190	4130							
00039200	4131							**** PAGE PHA - PHASED MAINTENANCE ROUTINE ****
00039210	4132							IS PHASED INSP. NOT YET DUE
00039220	4133							
00039230	4134							LI41T UN A/C IN PHASE?
00039240	4135							PHAC CAN A/C
00039250	4136							ENTER PHASED INSPECTION
00039260	4137							
00039270	4138							IS PHASED INSPECTION PAST DUE
00039280	4139							ACTIVITY = AWAITING SCHEDULED INSP.
00039290	4140							
00039300	4141							
00039310	4142							
00039320	4143							
00039330	4144							**** PAGE PHA - DEFUR4 PHASED INSPECTION ****

LINE# STATE IF DO BLOCK# *LUC OPERATION A,B,C,D,E,F,G COMMENTS

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00039340 0145 PHABA ASSIGN 2,V$PHAOA,PH COLUMN NUMBER - MHSPPAS_
00039350 0146 TEST NE MHPH27(PB1,PH2),J,CALCA DUES THIS WORK CENTER
00039360 0147 * ASSIGN 33,MHPH27(PB1,PH2),P3 HAVE A TASK THIS PHASE
00039370 0148 * ASSIGN 29,1,PH MANPOWER REQUIRED THIS M.C.
00039380 0149 * ASSIGN 13-14,MHPH27(PB1,PH2),PH TASK DURATION THIS M.C.
00039390 0150 * ASSIGN 13-14,MHPH27(PB1,PH2),PH TASK DURATION THIS M.C.
00039400 0151 * TRANSFER ,CALBP
00039410 0152 *
00039420 0153 *
00039430 0154 *
00039440 0155 *
00039450 0156 *
00039460 0157 *
00039470 0158 *
00039480 0159 *
00039490 0160 *
00039500 0161 *
00039510 0162 *
00039520 0163 *
00039530 0164 *
00039540 0165 *
00039550 0166 *
00039560 0167 *
00039570 0168 *
00039580 0169 *
00039590 0170 *
00039600 0171 *
00039610 0172 *
00039620 0173 *
00039630 0174 *
00039640 0175 *
00039650 0176 *
00039660 0177 *
00039670 0178 *
00039680 0179 *
00039690 0180 *
00039700 0181 *
00039710 0182 *
00039720 0183 *
00039730 0184 *
00039740 0185 *
00039750 0186 *
00039760 0187 *
00039770 0188 *
00039780 0189 *
00039790 0190 *
00039800 0191 *
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00039870 0198 *
00039880 0199 *
00039890 0200 *

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* PAGE PHAC - COMPLETE PHASED INSPECTION
 PHACA ASSIGN 36,MHPH30(14,V\$PHAC),PH CHECK FLIGHT REQUIREMENT
 TEST NE PB15,MH\$TYPE(12,PH30),PHAC IS THIS NOT THE LAST
 * ASSIGN 15,1,PH NEXT PHASE DUE PHASE OF THE CYCLE
 PHACD ASSIGN 37,V\$PHAC,PH FLIGHT TIME UNTIL NEXT PHASE DUE
 UNLINK PH7,PHAC,1,PHB,15 A/C AWAITING PHASED INSPECTION
 * TRANSFER ,CALCP
 PHACC ASSIGN 15,1,PH NEXT PHASE DUE
 TRANSFER ,PHACU
 PHACE TRANSFER SBR,PHAA,16PH PHASED INSPECTION
 LINK PH7,8PH A/C NOT IN MAINTENANCE

* * * * * PAGE SCD - ORGANIZATIONAL MAINTENANCE SHIFT CONTROL ROUTINE * * * * *
 SCJAA GENERATE 1,1,10,6PH,8PH,3PF CONTROL AACT
 ASSIGN 3,8,PH XACT I.D. - ORG. SHIFT CONTROL
 SAVEVALUE SCASM,MH\$EXEC(1,1),X8 ASSEMBLE COUNT
 SCJAF SAVEVALUE DPM,2,XH RJM NUMBER - M48OPS
 SAVEVALUE ADMM,OPS,XH MM INDEX - OPS
 SAVEVALUE ADJM,2,XH MM NUMBER - M48OPS
 TRANSFER SBR,ADVCA,6PH DETERMINE NEXT 1ST SHIFT START TIME
 ASSIGN 1,XH\$AUCJL,P4 COLUMN NUMBER - MHSOPS
 ADVANCE XH\$ADVNC NEXT 1ST SHIFT START TIME
 TEST GE C1,XH\$UFIN,D8G25 IS THERE NO CONFLICT WITH
 * * * * * PREVIOUS SCHEDULE
 * * * * * CURRENT CLUCK
 SAVEVALUE DFIN,C1,XF CYCLIC OPS
 TEST L EVACYUPS,1,SCJAC IS THIS A NON-FLYING DAY
 TEST E MHSOPS(V\$OPRA,PH1),J,SCJAC IS THIS A MAINT. RESPOT SCHEDULED
 TEST NE MHSOPS(1,PH1),J,SCJAC IS A MAINT. RESPOT SCHEDULED
 SPLIT 1,SCJAD TO INITIAL MAINTENANCE RESPOT
 * * * * * SHIFT NUMBER
 SCJAC ASSIGN 1,1,PH 1ST SHIFT DURATION
 ASSIGN 2,MHSOPS(3,PH1),PH 1ST SHIFT DURATION
 SAVEVALUE DFIN,PH2,XF 1ST TIME THIS SHIFT
 SAVEVALUE SPLMC,1,XF SPLIT PLUCK MATCH COUNT
 ASSIGN 3,XH\$SPLC,PF MATCHING PHAKM.
 SPLIT 1,SCJAF 1ST SHIFT CONTROL AACT
 TEST G MHSOPS(1,PH1),1,SCJAF IS THERE ANOTHER SHIFT THIS
 * * * * * LAY
 * * * * * SHIFT NUMBER
 ASSIGN 1,2,PH 1ST SHIFT DURATION
 ASSIGN 2,MHSOPS(4,PH1),PH 2ND SHIFT DURATION
 SAVEVALUE DFIN,PH,XF 1ST TIME THIS SHIFT
 SPLIT 1,SCJAF 2ND SHIFT CONTROL AACT
 TRANSFER ,SCJAF

LINE#	STMT#	IF	DO	BLKCD	WLOC	OPERATION	A.B.C.D..E.F.G	COMMENTS
00339900	4201			1922	SCDAM	PRIORITY	1J5	2ND SHIFT CONTROL XACTS
00339910	4202			1923	LINK		SCX2,FIFU	CALL MAINTENANCE RESPT QUA
00339920	4203			1924	SCDAM	LOGIC S	KSPM	TO SERIALIZE SPLIT XACTS
00339930	4204			1925	ASSIGN		5,X8NEG1,PB	DAILY INSPECTIONS
00339940	4205			1926	SPLIT		MH8REC(1,1),DAILY,5PB,1PH	MAINT. RESPT QUA
00339950	4206			1927	ADVANCE		MH8PS(1,PHI)	SECURE MAINTENANCE RESPT QUA
00339960	4207			1928	LOGIC R		KSPMQ	
00339970	4208			1929	TERMINATE			
00339980	4209			1930	SCDAM	GATE LR	SCD1	WAIT IF SHIFT CHANGE IN PROGRESS
00339990	4210			1931	LOGIC S		SCD1	SHIFT CHANGE IN PROGRESS
00340000	4211			1932	SCDAM	SPLIT	MH8REC(1,1),SCDAM,5PB	SHIFT START CONTROL XACTS
00340010	4212			1933	SCDAM	ASSEMBLE	X88,CASH	
00340020	4213			1934	SAVEVALUE		USMFT,PB1,XB	SHIFT NUMBER
00340030	4214			1935	UNLINK		RFIDL,RFIAA,ALL	WRAS RFI ON DELAY CHAIN
00340040	4215			1936	LOGIC R		SCD1	SHIFT CHANGE COMPLETED
00340050	4216			1937	ADVANCE		PH2	END OF SHIFT
00340060	4217			1938	LOGIC S		SCD1	SHIFT CHANGE IN PROGRESS
00340070	4218			1939	SPLIT		MH8REC(1,1),SCDAM,5PB	SHIFT END CONTROL XACTS
00340080	4219			1940	ASSEMBLE		X88,CASH	
00340090	4220			1941	TEST E		PB1,1,SCDAM	IS THIS INT 1ST SHIFT
00340100	4221			1942	UNLINK		SCX2,SCDAM,1,3PF,,SCDAM	2ND SHIFT CONTROL XACT
00340110	4222			1943	TERMINATE			
00340120	4223			1944	SAVEVALUE			
00340130	4224			1945	LOGIC R		DSMFT,C,XB	RESET
00340140	4225			1946	TERMINATE		SCD1	SHIFT CHANGE COMPLETED
00340150	4226			1947	SCDAM	ASSIGN	5-1,PB	SQUADRON I.D.
00340160	4227			1948	UNLINK		MH8CHA(8,PB5),SCDAM,ALL	A/C AWAITING LINE INSP.
00340170	4228			1949	UNLINK		MH8CHA(12,PB5),USBA,ALL,17PB,17	CANNIBALIZATION ACTIONS
00340180	4229			1950	PRIORITY		22,BUFFER	PROCESS UNLINKED XACTS
00340190	4230			1951	UNLINK		MH8CHA(2,PB5),USAA,ALL,9PB,11	A/C IN UNSCHED. MAINTENANCE
00340200	4231			1952	BUFFER		MH8CHA(12,PB5),CALBD,ALL,3PB,15	PROCESS UNLINKED XACTS
00340210	4232			1953	UNLINK			SCHEDULED MAINT. XACTS
00340220	4233			1954	TRANSFER		SCUJAJ	SQUADRON I.D.
00340230	4234			1955	ASSIGN		5-2,PH	
00340240	4235			1956	UNLINK		MH8CHA(2,PB5),SCDAM,ALL	A/C IN MAINTENANCE
00340250	4236			1957	PRIORITY		22,BUFFER	PROCESS UNLINKED XACTS
00340260	4237			1958	UNLINK		MH8CHA(9,PB5),SCDAM,ALL,BV8NCR	REPAIRS IN WORK
00340270	4238			1959	UNLINK		MH8CHA(12,PB5),SCDAM,ALL	(NJT IN-CYCLE REPAIRS)
00340280	4239			1960	UNLINK		MH8CHA(8,PB5),SCDAM,ALL	REPAIRS AMM
00340290	4240			1961	UNLINK		MH8CHA(12,PB5),SCDAM,ALL	A/C AWAITING LINE
00340300	4241			1962	BUFFER			INSPECTION OR DNDNANCE LOAD
00340310	4242			1963	TRANSFER		SCUJAJ	PROCESS UNLINKED XACTS
00340320	4243			1964	TEST ME		PH35,LINU,LINU	DID XACT NOT COME FROM BLOCK LINU
00340330	4244			1965	ENTER		PH21	EVENT STORAGE
00340340	4245			1966	TRANSFER		LINK	UPDATE SCIK STATISTICS
00340350	4246			1967	TRANSFER		5CR,JPIAA,16PH	A/C IN MAINTENANCE
00340360	4247			1968	LINK		PH26,24P4	RELEASE MANPOWER
00340370	4248			1969	TRANSFER		PH32,1,SCUJAJ	NJT IN ADMINISTRATIVE DELAY STATE
00340380	4249			1970	TEST ME		44,4P12PF,P4	CUMULATIVE EMT THIS REPAIR
00340390	4250			1971	ASSIGN		14-4P12PF,P4	REMAINING EMT THIS REPAIR
00340400	4251			1972	ASSIGN		44-4P12PF,P4	REMAINING EMT THIS TASK

LINE#	STMT#	IF	DO	BLOCK#	ALUC	OPERATION	ADD,C,D,E,F,G	COMMENTS
00000460	4257			1973	SCJAK	ASSIGN	11,2,PH	REPAIR STATUS = AMM
00000470	4258			1974	ASSIGN		10,4,PH	AMM REASON = UFF-SHIFT
00000480	4259			1975	ASSIGN		31,PH3,PH	NEW EDC
00000490	4260			1976	TRANSFER		SR4,CHD54,33PH	UPDATE DISCREPANCY STATUS
00000500	4261			1977	ALTER		PH5,1,14PH,PH14,3PF	PF3 REMAINING EMT THIS DISCREPANCY
00000510	4262			1978	LINK		PH9,14PH	REPAIRS AMM
00000520	4263			1979	SCJAP	ASSIGN	46-4,PH13PF,PH	REMAINING ADMINISTRATIVE DELAY
00000530	4264			1980	TRANSFER		SCJAK	
00000540	4265			1981	SCJAM	ASSIGN	15-10,4,PH	NEW AMM REASON = OFF-SHIFT
00000550	4266			1982	TEST NE		PH31,PH,SCDAS	IS REPAIR IN MANPOWER QUEUE
00000560	4267			1983	DEPART		PH42	DEPART MANPOWER QUEUE
00000570	4268			1984	ASSIGN		31,PH	RESET QUEUE FLAG
00000580	4269			1985	SCDAS	TEST NE	PH3,PH,SCDAS	IS REPAIR IN AMM QUEUE
00000590	4270			1986	DEPART		MMSQUE(12,PH5)	DEPART AMM QUEUE
00000600	4271			1987	ASSIGN		31,PH	RESET QUEUE FLAG
00000610	4272			1988	SCDAS	LINK	PH9,14PH	REPAIRS AMM
00000620	4273			1989	SCJAM	TEST NE	PH35,PH,SCJAM	IS A/C IN EVENT STORAGE
00000630	4274			1990	LEAVE		PH21	EVENT STORAGE
00000640	4275			1991	DEPART		PH42	MANPOWER QUEUE
00000650	4276			1992	SCJAM	LINK	MMSCHM(8,PH5),22PH	A/C AWAITING LINE INSPECTION
00000660	4277							OR ORDONANCE LOAD
00000670	4278							
00000680	4279							
00000690	4280							
00000700	4281							
00000710	4282							
00000720	4283							
00000730	4284							
00000740	4285							
00000750	4286							
00000760	4287							
00000770	4288							
00000780	4289							
00000790	4290							
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00000860	4297							
00000870	4298							
00000880	4299							
00000890	4300							
00000900	4301							
00000910	4302							
00000920	4303							
00000930	4304							
00000940	4305							
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00000960	4307							
00000970	4308							
00000980	4309							
00000990	4310							
00001000	4311							
00001010	4312							

REPAIR STATUS = AMM
AMM REASON = UFF-SHIFT
NEW EDC
UPDATE DISCREPANCY STATUS
PF3 REMAINING EMT THIS DISCREPANCY
REPAIRS AMM
REMAINING ADMINISTRATIVE DELAY
NEW AMM REASON = OFF-SHIFT
IS REPAIR IN MANPOWER QUEUE
DEPART MANPOWER QUEUE
RESET QUEUE FLAG
IS REPAIR IN AMM QUEUE
DEPART AMM QUEUE
RESET QUEUE FLAG
REPAIRS AMM
IS A/C IN EVENT STORAGE
EVENT STORAGE
MANPOWER QUEUE
A/C AWAITING LINE INSPECTION
OR ORDONANCE LOAD

***** PAGE SCI - INTERMEDIATE MAINTENANCE SHIFT CONTROL ROUTINE *****
SCIAA GENERATE 001,1,35,6PB,9PH,1PF INTERMEDIATE MANPOWER CONTROL

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ASSIGN
SAVEVALUE
SAVEVALUE
SAVEVALUE
TRANSFER
ASSIGN
ADVANCE
ASSIGN
MARK
TEST GE
SAVEVALUE
SPLIT
PRIORITY
PRIORITY
TRANSFER
SCJAC
LOGIC S
TEST G
SPLIT
ASSIGN
SAVEVALUE
TEST E
UNLINK
SAVEVALUE
SAVEVALUE
SAVEVALUE
ADVANCE
UNLINK
XACT I.D. = INF. SHIFT CONTROL
RDM NR. = MMSUPS
MH INDLX = OPS
RDM NUMBER = MMSOPS
DETERMINE NEXT STARTING TIME
CULJMM NUMBER = MMSOPS
FIRST SHIFT START TIME
NUMBER OF SHIFTS
FIRST SHIFT START TIME
IS THERE NO CONFLICT WITH
PREVIOUS SCHEDULE
CURRENT CLOCK
FIRST SHIFT CONTROL XACT
PROCESS ALL OTHER XACTS
RESTORE PRIORITY
LET 1 XACT IN
CLOSE THE GATE
IS THERE MORE THAN 1 SHIFT
VSSCISP,JCIAU,IPB ADDITIONAL SHIFT CONTROL XACTS
5,MMSUPS(VSSCIRW,PH3),PH SHIFT DURATION
END TIME OF LAST SHIFT
IS THIS THE FIRST SHIFT
IMA MAINT. ACTIONS AMM
CURRENT SHIFT NUMBER
CURRENT CLOCK
END TIME OF CURRENT SHIFT
SHIFT DURATION
IMA MAINT. ACTIONS IN REPAIR

LINE# STMT# IF DO BLOCK# PLUC OPERATION A,B,C,D,E,F,G COMMENTS

00041020 4313 UNLINK INCHK,SCIAJ,ALL IMA MAINT. ACTIONS IN CHECKOUT
 00041030 4314 TEST E PBI,PH2,SCIAH IS THIS THE LAST SHIFT
 00041040 4315 SAVEVALUE ISHFT,0,AB RESET
 00041050 4316 LOGIC R SC11 OPEN THE GATE
 00041060 4317 TERMINATE
 00041070 4318 SCIAH UNLINK ISHFT,SCIAF,1 SHIFT CONTROL ACT
 00041080 4319 TERMINATE
 00041090 4320 SCIAE LINK ISHFT,FIFO INT. MAINT. SHIFT CONTROL ACTS
 00041100 4321 SCIAJ TRANSFER ,PH43
 00041110 4322 SCIAI ASSIGN ,3,IMAA1,PH BLACK DESTINATION
 00041120 4323 SCIAL TRANSFER ,SCIAK
 00041130 4324 SCIAL ASSIGN 1,1,PH THIS IS THE ONLY SHIFT
 00041140 4325 SCIAL TRANSFER ,SCIAJ
 00041150 4326 SCIAJ ASSIGN ,3,IMAAJ,PH BLOCK DESTINATION
 00041160 4327 SCIAK ASSIGN 1,1,PH12PF,PF REMAINING TTR
 00041170 4328 SCIAK LINK IMAH,FIFO INT. MAINT. ACTIONS AMH
 00041180 4329
 00041190 4330
 00041200 4331
 00041210 4332
 00041220 4333
 00041230 4334
 00041240 4335
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 00041260 4337
 00041270 4338
 00041280 4339
 00041290 4340
 00041300 4341
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 00041420 4353
 00041430 4354
 00041440 4355
 00041450 4356
 00041460 4357
 00041470 4358
 00041480 4359
 00041490 4360
 00041500 4361
 00041510 4362
 00041520 4363
 00041530 4364
 00041540 4365
 00041550 4366
 00041560 4367
 00041570 4368

* SUBROUTINES

***** PAGE LIN - LINE INSPECTION/DURANCE LOAD SUBROUTINE *****
 LINA ASSIGN 21,MH\$QUE(FN\$PTR02,PB5),PH QUEUE/STORAGE INDEX -
 EVENT

2039 PH21 EVENT
 2040 PB9,4,LINM IS THIS NOT DURANCE LOAD
 2041 41,MH\$PH25(FN\$PTR03,1),PH WORK CENTER I.D.
 2042 MKC,PH41,XH WORK CENTER I.D.
 2043 42,MH\$QUE(FN\$PTR04,PB5),PH QUEUE INDEX - WORK CTR.
 2044 SC01 IS THERE NOT A SHIFT CHANGE
 2045 XH\$USHT,0,LINS IS THERE A CURRENT SHIFT
 2046 PB9,4,LINM IS THIS NOT DURANCE LOAD
 2047 17,MH\$PH25(FN\$PTR03,2),PH MANPOWER REQUIRED
 2048 24,MH\$PH25(FN\$PTR03,3),PH TIME REQUIRED
 2049 PH21 EVENT
 2050 PH42 MANPOWER
 2051 MKC,PH41,XH WORK CENTER I.D.
 2052 1,MH\$STU(V\$LINI,PB5),PH STJHAGE INDEX - LINE
 2053 R\$PHI,PH17,LINT IS MANPOWER AVAILABLE
 2054 PH42 WORK CENTER QUEUE
 2055 PH21 EVENT QUEUE
 2056 PH1,PH17 OBTAIN MANPOWER
 2057 17PF TIME LAST LINE INSPECTION BEGAN/
 RESUMED

2058 1,LINJ,4,PH,24PH TIME DELAY KALT
 2059 LINJ1,FIFO A/C IN LINE INSPECTION/DURANCE LOAD
 2060 MTFP,PH16,XB SCHEDULED MISSION TYPE
 2061 4,MH\$PH25(V\$JRD,1),PH WORK CENTER I.D.
 2062 ,LIMP
 2063 PH24
 2064 LINJ1,LINL,1,4PB PERFORM INSPLCIIJ4/DURANCE LOAD
 2065 PH1,PH17 A/C IN LINE INSPECTION/DURANCE LOAD
 2066
 2067
 2068 RELEASE MANPOWER

LINE# STMT# IF DO BLOCK# *LOC OPERATION A,B,C,D,E,F,G COMMENTS

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00041540 4369 LEAVE PH21 EVENT STORAGE
00041570 4370 SAVEVALUE MEN,PH17,XH MANPOWER UTILIZED
00041580 4371 SAVEVALUE EMT,PH24,XH LNT
00041590 4372 SAVEVALUE DMMH,V9D,MM,XH DIRECT MMH
00041600 4373 SAVEVALUE MKC,PH41,XH WORK CENTER J.D.
00041610 4374 TRANSFER SHR,POSTA,10PM POST WORK CENTER STATISTICS
00041620 4375 TEST NE XH,USMT,C,LINM IS THERE A CURRENT SHIFT
00041630 4376 UNLINK MH3CHAI8,PB5),LING,ALL A/C AWAITING LINE INSPECTION
00041640 4377 SAVEVALUE LINJ2,PB4,XB TAIL NUMBER THIS A/C
00041650 4378 SAVEVALUE LINJ1,PH41,XH WORK CENTER J.D.
00041660 4379 UNLINK PH3J,USKAK,ALL,V9,LINJ1 MAINTENANCE ACTIONS AMM THIS
                                WORK CENTER
00041670 4380
00041680 4381 PH,11,1
00041690 4382 22,MHSPH13(FNSPTKJ1,1),PH MAINTENANCE PRIORITY
00041700 4383 MH3CHAI8,PB5),22PB A/C AWAITING LINE INSPECTION
00041710 4384 TEST L PH9,4,LIND IS THIS ORDNANCE LOAD
00041720 4385 TEST GE V8TTL,PH24,LINF STILL TIME TO MAKE THE LAUNCH
00041730 4386 TRANSFER LIND
00041740 4387 DEPART PH21 EVENT QUEUE
00041750 4388 DEPART PH42 WORK CENTER QUEUE
00041760 4389 LEAVE PH21 EVENT STORAGE
00041770 4390 TRANSFER PH,11,1
00041780 4391 SAVEVALUE MTVP,PH16,AB SCHEDULED MISSION TYPE
00041790 4392 ASSIGN 17,MHSPH25(V8DRDL,2),PH MANPOWER REQUIRED
00041800 4393 ASSIGN 24,MHSPH25(V8DRDL,3),PH TIME REQUIRED
00041810 4394 TRANSFER LINI
00041820 4395 ASSIGN 35,LINU,PH BLACK DESTINATION - UNLINK
00041830 4396 TRANSFER LINC
00041840 4397 ASSIGN 35,LINC,PH BLACK DESTINATION - UNLINK
00041850 4398 TRANSFER LINC
00041860 4399 TRANSFER PH35
00041870 4400
00041880 4401
00041890 4402
00041900 4403
00041910 4404
00041920 4405
00041930 4406
00041940 4407
00041950 4408
00041960 4409
00041970 4410
00041980 4411
00041990 4412
00042000 4413
00042010 4414
00042020 4415
00042030 4416
00042040 4417
00042050 4418
00042060 4419
00042070 4420
00042080 4421
00042090 4422
00042100 4423
00042110 4424

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***** PAGE 015 - DISCREPANCY GENERATION SUBROUTINE *****

DISCREPANCY PARAMETERS

* PB3 = XACT IDENT.

* 4 = DISCREPANCY

* PB4-PB9 SAME AS FOR AIRCRAFT XACTS

* P910 = CURRENT REPAIR STATUS

* 0 = DEFERRED (NOT YET RECEIVED)

* 1 = IN WORK

* 2 = AM4 (REASON CODE 1-3)

* 3 = AMP

* 4 = AWAITING CANNIBALIZATION

* P811 = NMW REPAIR STATUS

* P812 = POST-MAINTENANCE TEST FLIGHT REQUIREMENT

* 0 = NO TEST FLIGHT REQUIRED

* 1 = TEST FLIGHT REQUIRED

* P813 = REPAIR LOCATION REQUIREMENT (CYCLIC OPS ONLY)

* 1 = MAJOR DECK ONLY

* 2 = EITHER MAJOR OR FLIGHT DECK

* P814 = REPAIR ANALYSIS INDICATOR

* 1 = REPAIR HAS BEEN ANALYZED

* P815 = CURRENT AMM REASON CODE

LINE# STATE# IF 00 BLOCK# *LOC OPERATION A,B,C,D,L,F,G COMMENTS

00042120	0025				0 = COMPUTER-GENERATED
00042130	0026				1 = G-E
00042140	0027				2 = SPACES/FACILITIES
00042150	0028				3 = BACKLOG
00042160	0029				4 = OFF-SHIFT HOURS
00042170	0030				5 = OTHER
00042180	0031				6 = AWAITING A/MO MAINTENANCE
00042190	0032				7 = OPERATIONAL PRIORITIES
00042200	0033				8 = AWAITING OTHER SHOPS OR MAINTENANCE ACTIONS
00042210	0034				PB10 = NEW A/M REASON CODE
00042220	0035				PB17-PB18 = NOT USED
00042230	0036				PB19 & PB20 = WHEN DISCOVERED CODE
00042240	0037				2 = GROUND CREW INSPECTION
00042250	0038				3 = AIRCREW INSPECTION
00042260	0039				5 = IN FLIGHT
00042270	0040				6 = TURNAROUND INSPECTION
00042280	0041				8 = DAILY INSPECTION
00042290	0042				9 = CALENDAR INSPECTION
00042300	0043				12 = BAD PART FROM SUPPLY
00042310	0044				PB21 = REPAIR COMPLETION CODE
00042320	0045				1 = SUCCESSFUL COMPLETION
00042330	0046				2 = BAD PART RECEIVED FROM SUPPLY
00042340	0047				3 = AWAITING SPARE
00042350	0048				4 = INSTALLED M/R MRA
00042360	0049				PB22 = NO REPAIR REQUIRED INDICATOR (IF 1, M/R)
00042370	0050				PB23 = SYSTEM/SUBSYSTEM MATRIX COLUMN - MAINTENANCE ACTION PROBABILITY
00042380	0051				BY WHEN DISCOVERED
00042390	0052				PB24 = RUN NUMBER - M/RSCIM
00042400	0053				PB25 = MAINTENANCE STARTED FLAG
00042410	0054				PB26 = REMOVE AND REPLACE INDICATOR
00042420	0055				
00042430	0056				PH3 = MX INDEX - SYSTEM
00042440	0057				PH4 = ROW NUMBER - SYSTEM MX
00042450	0058				PH5 = GROUP INDEX - CURRENT DISCREPANCIES THIS SQUADRON
00042460	0059				PH6 = CHAIN INDEX - CURRENT DISCREPANCIES THIS SQUADRON
00042470	0060				PH7 = GROUP INDEX - A/C THIS SQUADRON
00042480	0061				PH8 = CHAIN INDEX - REPAIRS IN WORK THIS SQUADRON
00042490	0062				PH9 = CHAIN INDEX - REPAIRS A/M THIS SQUADRON
00042500	0063				PH10 = CHAIN INDEX - REPAIRS A/M THIS SQUADRON
00042510	0064				PH11 = BLOCK I.O. - SUBROUTINE TRANSFER
00042520	0065				PH12 = MX INDEX - ORGANIZATIONAL WORK CENTER STATISTICS (M/R-M/CO...)
00042530	0066				PH13 = TOTAL TIME TO REPAIR
00042540	0067				PH14 = REMAINING TIME TO REPAIR
00042550	0068				PH15 = GROUP INDEX - REPAIRS THIS SQUADRON
00042560	0069				PH16 = BLOCK I.O. - SUBROUTINE TRANSFER
00042570	0070				PH17 = CHAIN INDEX - A/C IN MAINTENANCE
00042580	0071				PH18 = CHAIN INDEX - OFFERED REPAIRS THIS SQUADRON
00042590	0072				PH19 = MX INDEX - SUBSYSTEM
00042600	0073				PH20 = ROW NUMBER - SUBSYSTEM MX
00042610	0074				PH21 = GROUP INDEX - A/C IN MAINTENANCE
00042620	0075				PH22 = CHAIN INDEX - A/C NOT IN MAINTENANCE
00042630	0076				PH23 = SYSTEM MX ROW NUMBER - FAILED SUBSYSTEM
00042640	0077				PH24 = MX INDEX - FAILED SUBSYSTEM
00042650	0078				PH25 = SUBSYSTEM MX ROW NUMBER - FAILED M/R
00042660	0079				PH26 = CHAIN INDEX - UNSOLVED DISCREPANCIES
00042670	0080				PH27 = EUC WHEN RECEIVED

LINE#	STMT#	IF	DO	BLOCK#	LOC	OPERATION	A.B.C.D.E.F.G	COMMENTS
00042680	4451					* PH29 = EDC IN WORK		
00042690	4452					* PH31 = CURRENT EDC		
00042700	4453					* PH31 = NEW EDC		
00042710	4454					* PH32 = LINKING PARAMETER		
00042720	4455					* PH33 = BLOCK I.O. - SUBROUTINE TRANSFER		
00042730	4456					* PH34 = MA INDEX - SCIR LOC IMPACT SUMMARY (MISSCIR_)		
00042740	4457					* PH35 = BLOCK I.O. - SUBROUTINE TRANSFER		
00042750	4458							
00042760	4459					* PF2 = TIME CREATED		
00042770	4460					* PF3 = JOB CONTROL NUMBER		
00042780	4461					* PF4 = A/C-JOB SYSTEM CODE		
00042790	4462					* PF5 = A/C-MRA CODE		
00042800	4463					* PF6 = CASE PART NUMBER THIS MRA		
00042810	4464					* PF7 = A/C-SUBSYSTEM CODE - FAILED MRA		
00042820	4465					* PF8 = A/C-MRA CODE - FAILED MRA		
00042830	4466					* PF9 = CASE PART NUMBER - FAILED MRA		
00042840	4467					***** DETERMINE MRAS ASSOCIATED WITH DISCREPANCIES *****		
00042850	4468					* PAGE DISA - DETERMINE MRAS ASSOCIATED WITH DISCREPANCIES		
00042860	4469					DISA GATE LR DISA1		
00042870	4500					LOGIC S DISA1		
00042880	4501					SAVEVALUE ACSE, PB4, XB		
00042890	4502					TEST L PB3, J, DISAB		
00042900	4503					ASSIGN 28-29, G, PB		
00042910	4504					ASSIGN 31, PB8, PB		
00042920	4505					TEST NE MISSYSUM(PB5, PB23), J, DISAJ		
00042930	4506					IS A/C IN FLIGHT		
00042940	4507					ARG, VSLMHT, XF		
00042950	4508					ARGUMENT OF FMSXP		
00042960	4509					PROR, FMSXP, XF		
00042970	4510					POISSON DISTRIBUTION VALUE		
00042980	4511					RAN64, FMSXP, XF		
00042990	4512					6-DIGIT RANDOM NUMBER		
00043000	4513					THIS EVENT		
00043010	4514					DISAJ LOGIC R		
00043020	4515					TRANSFER PH, I, I		
00043030	4516					SAVEVALUE SUBMH, PH19, XH		
00043040	4517					TRANSFER MRA, R, PH20, XH		
00043050	4518					TRANSFER DISBK		
00043060	4519					TRANSFER ARG, VSLMHT, XF		
00043070	4520					TRANSFER DISAF		
00043080	4521					SAVEVALUE CPROB, XF, PPRUJ, XF		
00043090	4522					ASSIGN 28, J, PB		
00043100	4523					SAVEVALUE PPR, JB, VSPPRUJ, XF		
00043110	4524					TEST NE XF, PPRUJ, O, DISAG		
00043120	4525					SAVEVALUE CPROB, XF, PPRUJ, XF		
00043130	4526					TEST L XF, PPRUJ, O, DISAG		
00043140	4527					SAVEVALUE EVOL, PB23, XB		
00043150	4528					ASSIGN CPM, VSCF, XH		
00043160	4529					SAVEVALUE CPM, VAC, XH		
00043170	4530					SAVEVALUE CPM, VSCF, XH		
00043180	4531					TEST L XF, CPM, XH		
00043190	4532					ASSIGN 7, PH20, P1		
00043200	4533					SAVEVALUE CPM, VAC, XH		
00043210	4534					SAVEVALUE CPM, VSCF, XH		
00043220	4535					ASSIGN 19, V, XH		
00043230	4536					ASSIGN 21, V, XH		

LINE#	STMT#	IF DO	BLK#	*LUC	OPERATION	A,B,C,D,E,F,G	COMMENTS
00043240	4537		2132		ASSIGN	4,V8SYSR1,PH	RJM NUMBER - SYSTEM MM
00043250	4538		2133		SAVEVALUE	SBSMM,PH19,PH	MM INDEX - SUBSYSTEM
00043260	4539		2134		SAVEVALUE	WRANK,PH20,PH	WRA NUMBER
00043270	4540		2135		TEST NE	MM3PH3(PH4,PH1),J,DISAN	IS SUBSYSTEM SUBJECT TO MISDIAGNOSIS
00043280	4541		2136		SCAN	PH27,4PF,V8SHSCD,,,DISAD	DOES THIS SUBSYSTEM ALREADY HAVE A DISCREPANCY
00043290	4542						
00043300	4543		2137		TRANSFER	DISAP	DOES THIS WRA
00043310	4544		2138		DISAN SCAN	PH27,4PF,V8SHKACD,,,DISAD	ALREADY HAVE A DISCREPANCY
00043320	4545						
00043330	4546						
00043340	4547		2139		TRANSFER	DISAP	DECREMENT DISCREPANCY COUNTER
00043350	4548		2140		DISAG ASSIGN	29-1,PH	
00043360	4549		2141		TRANSFER	DISAL	
00043370	4550		2142		DISAL SAVEVALUE	CFCIL,3,AB	COLUMN NR. - CUM. F.R. MM
00043380	4551		2143		TRANSFER	DISAM	
00043390	4552		2144		DISAU SPLIT	1,DISRA,,,20PB,35PH,3PF	CREATE DISCREPANCY XACT
00043400	4553		2145		GATE LS	DISA2	PROCESS DISCREPANCY XACT
00043410	4554		2146		LOGIC R	DISA2	CLOSE THE GATE
00043420	4555		2147		LOOP	7PB,DISAP	DO FOR ALL DISCREPANCIES THIS EVENT
00043430	4556		2148		TRANSFER	SAR,DISCA,16PH	DETERMINE DISCREPANCY EFFECT
00043440	4557		2149		ASSIGN	1,2,PH	RESET IN-MAINTENANCE FLAG
00043450	4558		2150		LOGIC R	DISAL	OPEN THE GATE
00043460	4559		2151		TRANSFER	PH,11,1	
00043470	4560						
00043480	4561						
00043490	4562						
00043500	4563		2152		DISBA ASSIGN	3,4,PH	ACT 10ENT - DISCREPANCY
00043510	4564		2153		PRIORITY	4J	ACT PRIORITY
00043520	4565						
00043530	4566		2154		MSAVEVALUE	PH19,PH20,PH21,PH	TOTAL DISCREPANCIES THIS WRA
00043540	4567		2155		MSAVEVALUE	PH3,PH4,PH5,PH6	TOTAL DISCREPANCIES THIS SUBSYSTEM
00043550	4568		2156		MSAVEVALUE	SYSDM,PH5,PH6,PH7,PH8	TOTAL DISCREPANCIES THIS SUBSYSTEM
00043560	4569						
00043570	4570		2157		ASSIGN	10-25,PH	SOJAURON
00043580	4571		2158		ASSIGN	19-20,PH9,PH	CLEAR THESE PARAMETERS
00043590	4572		2159		ASSIGN	13-14,PH	WHEN DISCOVERED CODE
00043600	4573		2160		MARK	2PF	CLEAR THESE PARAMETERS
00043610	4574		2161		SAVEVALUE	JCN,1,XF	TIME DISCREPANCY CREATED
00043620	4575		2162		ASSIGN	3,2F,JCJN,PF	JOB CONTROL NUMBER
00043630	4576		2163		ASSIGN	7,MMHGRP(17,PH5),PH	SOJAURON GROUP INDEX
00043640	4577		2164		SAVEVALUE	SMSM,PH19,PH	SUBSYSTEM MM INDEX
00043650	4578		2165		SAVEVALUE	WRANK,PH20,PH	RJM NUMBER - SUBSYSTEM MM
00043660	4579		2166		ASSIGN	4,V8SHSCD,PF	A/C-SUBSYSTEM CODE
00043670	4580		2167		ASSIGN	5,V8KACD,PF	A/C-WRA CODE
00043680	4581		2168		ASSIGN	6,V8PART,PF	CASE PART NUMBER
00043690	4582		2169		ASSIGN	5,MMHGRP(1,PH5),PH	GROUP INDEX - CURRENT
00043700	4583						
00043710	4584		2170		ASSIGN	6,MMHSCA(1,PH5),PH	DISCREPANCIES THIS SQUADRON
00043720	4585						
00043730	4586		2171		ASSIGN	8,MMHSCA(9,PH5),PH	DISCREPANCIES THIS SQUADRON
00043740	4587		2172		ASSIGN	9,MMHSCA(10,PH5),PH	CHAIN INDEX - REPAIRS IN WORK
00043750	4588		2173		ASSIGN	1,MMHSCA(11,PH5),PH	CHAIN INDEX - REPAIRS AMM
00043760	4589		2174		ASSIGN	15,MMHGRP(15,PH5),PH	GROUP INDEX - REPAIRS THIS SQUADRON
00043770	4590						
00043780	4591		2175		ASSIGN	17,MMHSCA(17,PH5),PH	CHAIN INDEX - A/C IN MAINTENANCE
00043790	4592						

LINE#	STMT#	IF	DO	BLOCK#	LOC	OPERATION	ADDRESS	COMMENTS
00043790	4593			2175	ASSIGN	21, MHGRP12, P85), PH	GROUP INDEX - A/C IN	
00043800	4594			2177	ASSIGN	23, MHCHA16, P85), PH	MAINTENANCE	
00043810	4595			2173	ASSIGN	14, MHCHA11, P85), PH	CHAIN INDEX - A/C NOT IN	
00043820	4596			2179	ASSIGN	27, MHCHA13, P85), PH	MAINTENANCE	
00043830	4597			2130	ASSIGN	34, MHSTYF13, P86), PH	CHAIN INDEX - DEFERRED REPAIRS	
00043840	4598			2131	ASSIGN	28-31, ., PH	CHAIN INDEX - UNRESOLVED	
00043850	4599			2132	ASSIGN	58, MHSTYF13, P86), PH	DISCREPANCIES	
00043860	4600			2133	ASSIGN	58, MHSTYF13, P86), PH	MAINTENANCE	
00043870	4601			2134	ASSIGN	58, MHSTYF13, P86), PH	MAINTENANCE	
00043880	4602			2195	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00043890	4603			2196	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00043900	4604			2197	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00043910	4605			2198	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00043920	4606			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00043930	4607			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00043940	4608			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00043950	4609			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00043960	4610			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00043970	4611			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00043980	4612			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00043990	4613			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044000	4614			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044010	4615			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044020	4616			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044030	4617			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044040	4618			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044050	4619			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044060	4620			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044070	4621			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044080	4622			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044090	4623			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044100	4624			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044110	4625			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044120	4626			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044130	4627			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044140	4628			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044150	4629			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044160	4630			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044170	4631			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044180	4632			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044190	4633			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044200	4634			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044210	4635			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044220	4636			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044230	4637			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044240	4638			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044250	4639			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044260	4640			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044270	4641			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044280	4642			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044290	4643			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044300	4644			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044310	4645			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044320	4646			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044330	4647			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	
00044340	4648			2199	ASSIGN	28, MHSTYF13, P86), PH	MAINTENANCE	

LINE	STMT#	IF	DO	BLKCR	PLUC	OPERATION	A,B,C,D,E,F,G	COMMENTS
00000350	4649			2211		TRANSFER	DISSE	
00000360	4650			2212	DISCU	ASSIGN	24,MHOPM19(P42,0,33),PH	SUBSYSTEM 4 IN-WORK EDC
00000370	4651			2213	TRANSFER	DISSE		
00000380	4652			2214	DISSE	TEST NE	MHOPM19(PH20,33),0,0,0,0,0,0	DOES THIS MRA HAVE A SUBSYSTEM EDC
00000390	4653							
00000400	4654			2215	ASSIGN		20,1,PH	REMOVE AND REPLACE INDICATOR
00000410	4655			2216	TRANSFER	DISSE		
00000420	4656			2217	ASSIGN		10-11,2,PH	STATUS = AMM
00000430	4657			2218	ASSIGN		15-16,3,PH	ADM REASON = BACKLOG
00000440	4658			2219	TRANSFER		SRK,INCD,0,33PH	INCREMENT DISCREPANCY COUNT THIS A/C
00000450	4659			2220	LOGIC		DISA	OPEN THE GATE
00000460	4660			2221	TRANSFER		PH,11,1	
00000470	4661							
00000480	4662							
00000490	4663							
00000500	4664			2222	DISCA	ASSIGN	31,P39,P1	SUBROUTINE DISC - DETERMINE DISCREPANCY EFFECT ON MISSION CAPABILITY
00000510	4665			2223	UNLINK		MUDSC,DISC,1	CURRENT MISSION CAPABILITY
00000520	4666			2224	UNLINK		MUDSC,DISC,ALL	NEW DISCREPANCY WITH WORST EDC
00000530	4667			2225	PRIORITY		35,RUFFER	OTHER NEW DISCREPANCIES
00000540	4668			2226	PRIORITY		9J	PROCESS UNLINKED ACTS
00000550	4669			2227	TEST G		ABSMCD1,PH0,DISC	NORMAL A/C ACT PRIORITY
00000560	4670							IS MISSION CAPABILITY
00000570	4671							(FJRTICK) DEGRADED
00000580	4672			2228	ASSIGN		31,X98MCD1,PH	NEW MISSION CAPABILITY CODE
00000590	4673			2229	DISC	TRANSFER	PH,16,1	
00000600	4674			2230	DISC	SAVEVALUE	MCJ01,VSCMCOU,XB	EDC MISSION CODE
00000610	4675			2231	DISC	TEST L	PH9,5,01,CF	IS A/C IN FLIGHT
00000620	4676			2232	TEST F		VSCMCOU,26,DISC	IS THIS A MNC DISCREPANCY
00000630	4677			2233	TEST L		RM5,MHOPM19(PH2,11),DISC	DISC AIR ABORT OCCUR
00000640	4678			2234	ALTER		PH7,1,27PH,1,4PH,PH4	SET A/C ABORT FLAG
00000650	4679			2235	DISC	LINK	PH6,14PH	DISCREPANCIES THIS SQUADRON
00000660	4680			2236	DISC	TRANSFER	SRK,RANA,11PH	CREATE REPAIR ACT
00000670	4681			2237	LINK			DISCREPANCIES THIS SQUADRON
00000680	4682							
00000690	4683							
00000700	4684							
00000710	4685							
00000720	4686			2238	PAGE	DISU - DETERMINE FAILED MRA		
00000730	4687			2239	DISU	TEST NE	PH3,5,DISU	IS THIS NOT A CANNIBALIZATION
00000740	4688			2239	TEST L		RM6,MHOPM19(PH2,24),DISU	DISCREPANCY
00000750	4689			2240	ASSIGN		24,1,PH	IS THIS A REMOVE
00000760	4690			2241	TEST NE		MHOPM19(PH,11),0,DISU	AND REPLACE DISCREPANCY
00000770	4691			2242	TEST NE		MHOPM19(PH2,26),0,DISU	REMOVE AND REPLACE INDICATOR
00000780	4692			2243	SAVEVALUE		KA3,KA4,KAH	IS THIS SUBSYSTEM SUBJECT TO MISDIAGNOSIS
00000790	4693			2244	TEST L		KA3,KA4,KAH	DOES MRA HAVE NONZERO
00000800	4694			2245	TEST L		KA3,KA4,KAH	NR4 PROBABILITY
00000810	4695			2246	SAVEVALUE		KA3,KA4,KAH	3-DIGIT RANDOM NUMBER
00000820	4696			2247	TEST L		KA3,KA4,KAH	IS THIS A FALSE
00000830	4697			2248	SAVEVALUE		KA3,KA4,KAH	ALARM
00000840	4698			2249	SAVEVALUE		KA3,KA4,KAH	SUBSYSTEM DISCREPANCY
00000850	4699			2250	DISC	ASSIGN	24,MHOPM19(PH4,3),PH	PROBABILITY
00000860	4700			2251	TEST L		PH2,1,01,DO	LOADING PARAM. - NUMBER OF MRA
00000870	4701			2252	SAVEVALUE		PH2,1,01,DO	IS THERE MORE THAN 1 MRA
00000880	4702			2253	SAVEVALUE		PH2,1,01,DO	RESET
00000890	4703			2254	SAVEVALUE		PH2,1,01,DO	RESET
00000900	4704			2255	SAVEVALUE		PH2,1,01,DO	RESET

LINE# STMT# IF DO BLOC# LOC OPERATION A,B,C,D,E,F,G COMMENTS

00049900	4705		DISDC	SAVEVALUE	WRANR*,1,XH	WRA NUMBER	
00049910	4706			SAVEVALUE	PKJ3,MH0H19(XHSHKANK,PB2J1,XH	WRA DISCREPANCY PROBABILITY	
00049920	4707						
00049930	4708			TEST NE	XH0PRUB*,0,DISD	USES WRA HAVE NONZERO DISCREPANCY PROBABILITY	
00049940	4709						
00049950	4710			SAVLVALUE	CPRJ3*,V0NPRUB*,AF	CUMULATIVE MAINT. ACTION PROBABILITY	
00049960	4711			TEST G	XF0KANO*,XF0CPRDB,DISD	IS THIS NOT THE FAILED WRA	
00049970	4712		DISD	LOOP	2PH,DISDC	DO FOR ALL WRAS	
00049980	4713			TRANSFER	,DISJL		
00049990	4714		DISD	TEST NE	XH0WRANK,PH2J,DISD	IS THIS NOT THE SAME WRA	
00050000	4715			ASSIGN	20,1,PB	SET NRP INDICATOR	
00050010	4716			ASSIGN	26,XH0WRANK,PH	SUBSYSTEM MH RJM NR. - FAILED WRA	
00050020	4717			TRANSFER	,DISD		
00050030	4718		DISD	ASSIGN	26,PH2J,PH	SUBSYSTEM MH KJ4 NR. - FAILED WRA	
00050040	4719		DISD	ASSIGN	25,PH19,PH	MH INDEX - FAILED SUBSYSTEM	
00050050	4720			ASSIGN	24,PH0,PH	SYSTEM MA ROW - FAILED SUBSYSTEM	
00050060	4721			SAVEVALUE	SH3MM,PH25,XH	MH INDEX - FAILED SUBSYSTEM	
00050070	4722			SAVEVALUE	WRANK,PH26,XH	WRA NUMBER - FAILED WRA	
00050080	4723			ASSIGN	7,V0SBSCD,PF	A/C SUBSYSTEM CODE - FAILED SUBSYSTEM	
00050090	4724						
00050100	4725			ASSIGN	8,V0WRACD,PF	A/C-WRA CODE - FAILED WRA	
00050110	4726			ASSIGN	9,V0PART,PF	CASEE PART NUMBER - FAILED WRA	
00050120	4727			TRANSFER	PH,16,1		
00050130	4728						
00050140	4729						
00050150	4730						
00050160	4731						
00050170	4732						
00050180	4733						
00050190	4734						
00050200	4735						
00050210	4736						
00050220	4737						
00050230	4738						
00050240	4739						
00050250	4740						
00050260	4741						
00050270	4742						
00050280	4743						
00050290	4744						
00050300	4745						
00050310	4746						
00050320	4747						
00050330	4748						
00050340	4749						
00050350	4750						
00050360	4751						
00050370	4752						
00050380	4753						
00050390	4754						
00050400	4755						
00050410	4756						
00050420	4757						
00050430	4758						
00050440	4759						
00050450	4760						

***** PAGE INCD - INCREMENT A/C DISCREPANCY COUNT SUBROUTINE *****

INCD A SAVEVALUE DMSTA,V0CMSTA,XH CURRENT MISSION/STATUS CODE

TEST E RV0MST1,1,DBG42 IS THIS A VALID CODE

SCAN PH7,4PB,PB4,FN0ACPAR,PB,1PB CURRENT VALUE OF A/C PB THIS DISCREPANCY STATUS

ASSIGN 1*,1,PB INCREMENT VALUE

ALTER PH7,1,FN0ACPAR,PB,PB1,4PB,PB4 A/C PB

SCAN PH7,4PB,PB4,29PB,1PB GET CURRENT DISCREPANCIES THIS A/C

ASSIGN 1*,1,PB INCREMENT DISCREPANCIES

ALTER PH7,1,29PB,PB1,4PB,PB4 INCREMENT DISCREPANCIES

TRANSFER PH,33,1

***** PAGE DISC - DECREMENT A/C DISCREPANCY COUNT SUBROUTINE *****

DISC A SAVEVALUE DMSTA,V0CMSTA,XH CURRENT MISSION/STATUS CODE

TEST E RV0MST1,1,DBG42 IS THIS A VALID CODE

SCAN PH7,4PB,PB4,FN0ACPAR,PB,1PB CURRENT VALUE OF A/C PB THIS DISCREPANCY STATUS

ASSIGN 1*,1,PB DECREMENT VALUE

ALTER PH7,1,FN0ACPAR,PB,PB1,4PB,PB4 A/C PB

SCAN PH7,4PB,PB4,29PB,1PB GET CURRENT DISCREPANCIES THIS A/C

ASSIGN 1*,1,PB DECREMENT DISCREPANCIES

ALTER PH7,1,29PB,PB1,4PB,PB4 DECREMENT DISCREPANCIES

TRANSFER PH,33,1

LINE# STATE IF DO BLOCK# CLUC OPERATION A,B,C,D,E,F,G COMMENTS

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00005460 4761 ***** PAGE SKOW - MABSCIM_ RUN DETERMINATION SUBROUTINE *****
00005470 4762 SKOWA TEST IE XMSREUC,MABPH34(1,1),SKOWD NOT THE FIRST ROM
00005480 4763 SAVEVALUE LLM1,1,X3 LU4 LIMIT OF SPARCH
00005490 4764 SAVEVALUE HL1,MHSTYPE(41,PB6),XB HIGH LIMIT OF SEARCH
00005500 4765 SAVEVALUE MID,VSM1),XB MIDPOINT OF SEARCH
00005510 4766 TEST F XMSREUC,MABPH34(XB,MID,1),SKOWC IS THIS THE ROM
00005520 4767 ASSIGN 24,XB,M1),PB ROM NUMBER
00005530 4768 TRANSFER PH,35,1
00005540 4769 SRJMS ASSIGN 24,1,0,PB
00005550 4770 TRANSFER PH,35,1
00005560 4771 SKOWC TEST E BVS1,SKC,1,0,BG17 WITHIN SEARCH LIMITS
00005570 4772 TEST L XMSREUC,MABPH34(XB,MID,1),SKOWD BELOW MIDPOINT
00005580 4773 SAVEVALUE HL1,MABPH34,XB NEW HIGH SEARCH LIMIT
00005590 4774 TRANSFER ,SRJME
00005600 4775 SKOWD SAVEVALUE LLM1,XB,M1,MID,XB NEW LOW SEARCH LIMIT
00005610 4776 TRANSFER ,SRJME
00005620 4777
00005630 4778
00005640 4779
00005650 4780
00005660 4781
00005670 4782
00005680 4783
00005690 4784
00005700 4785
00005710 4786
00005720 4787
00005730 4788
00005740 4789
00005750 4790
00005760 4791
00005770 4792
00005780 4793
00005790 4794
00005800 4795
00005810 4796
00005820 4797
00005830 4798
00005840 4799
00005850 4800
00005860 4801
00005870 4802
00005880 4803
00005890 4804
00005900 4805
00005910 4806
00005920 4807
00005930 4808
00005940 4809
00005950 4810
00005960 4811
00005970 4812
00005980 4813
00005990 4814
00006000 4815
00006010 4816

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***** PAGE RAW - REPAIR ANALYSIS SUBROUTINE *****

URGANTIZATIONAL REPAIR PARAMETERS

5 = ORGANIZATIONAL REPAIR

PB3 = RACT IDENT. 5 = SAME AS FOR DISCREPANCY RACTS

PB4-PB16 - SAME AS FOR DISCREPANCY RACTS

(EXCEPT PB9-12 = CANNIBALIZATION)

PB17 = MAINTENANCE ACTION TASK

1 = CHECK DISCREPANCY - NO REPAIR REQUIRED

3 = REPAIR IN PLACE

13 = REMOVE AND REPLACE - REMOVAL PHASE

14 = REMOVE AND REPLACE - INSTALL MRA RECEIVED FROM SUPPLY

15 = REMOVE AND REPLACE - INSTALL CANNIBALIZED MRA

16 = ATTEMPT TO CANNIBALIZE

17 = REMOVE FOR CANNIBALIZATION

18 = REPLACE AFTER CANNIBALIZATION

19 = TROUBLESHOOT

20 = SUPPLY ACTION

PB18 = SHIFT IDENT.

PB19-PB26 - SAME AS FOR DISCREPANCY RACTS

PB26 = BCM CODE

PB29 = TAIL NUMBER OF CANNIBALIZATION VICTIM A/C

PB30 = QUEUE FLAG - AWAITING MAINTENANCE

PB31 = QUEUE FLAG - MAINTENANCE, ORGANIZATIONAL

PB32 = DISPLAY FLAG

PB33 = PREVIOUS MAINTENANCE ACTION TASK

PB34 = NUMBER OF ATTEMPTS TO CANNIBALIZE

PB35-PB36 - NOT USED

PB37 = NUMBER OF AMP DISCREPANCIES THIS A/C (USED IN PAGE CANB)

PB38 = MAINTENANCE (X1) - ORGANIZATIONAL

PB39-PB35 SAME AS FOR DISCREPANCY RACTS

PB35-PB36 - NOT USED

PB37 = STORAGE INDEX - ORGANIZATIONAL WORK CENTER, FIRST SHIFT

PB38 = STORAGE INDEX - ORGANIZATIONAL WORK CENTER, SECOND SHIFT

PB39 = GROUP INDEX - ORGANIZATIONAL WORK CENTER

PB40 = QUEUE INDEX - ORGANIZATIONAL WORK CENTER

PB41 = BLOCK I.D. - TRANSFER

PB42 = BLOCK I.D. - TRANSFER

PB43 = BLOCK I.D. - TRANSFER

PB44 = BLOCK I.D. - TRANSFER

PB45 = BLOCK I.D. - TRANSFER

PB46 = BLOCK I.D. - TRANSFER

LINE# STMT# IF DO BLOC# LOC OPERATION ADDR.C.D.E.F.G COMMENTS

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0000020 0017 * PH44 = STORAGE INDEX - ORGANIZATIONAL WORK CENTER USED
0000030 0018 * PH45 = ORGANIZATIONAL WORK CENTER I.D.
0000040 0019 * PH46 = REMAINING MAINTENANCE DELAY NOT INCLUDED IN EMT
0000050 0020 * PH47 = TOTAL MAINTENANCE DELAY NOT INCLUDED IN EMT
0000060 0021 * PH48 = CUMULATIVE EMT THIS REPAIR
0000070 0022 * PH49 = REMAINING EMT THIS TASK
0000080 0023 * PH50 = INTERMEDIATE WORK CENTER I.D.
0000090 0024
0000100 0025 * PF3-PF9 = SAME AS FOR DISCREPANCY XACTS
0000110 0026 * PF10 = SPLIT BLOCK MATCH COUNT
0000120 0027 * PF11 = MAINTENANCE START TIME
0000130 0028 * PF12 = TASK START TIME
0000140 0029 * PF13 = TIME NON-EMT MAINTENANCE DELAY BEGAN
0000150 0030 * PF14 = TIME HANDOVER OBTAINED
0000160 0031
0000170 0032 *****
0000180 0033 *****
0000190 0034 *****
0000200 0035 *****
0000210 0036 *****
0000220 0037 *****
0000230 0038 *****
0000240 0039 *****
0000250 0040 *****
0000260 0041 *****
0000270 0042 *****
0000280 0043 *****
0000290 0044 *****
0000300 0045 *****
0000310 0046 *****
0000320 0047 *****
0000330 0048 *****
0000340 0049 *****
0000350 0050 *****
0000360 0051 *****
0000370 0052 *****
0000380 0053 *****
0000390 0054 *****
0000400 0055 *****
0000410 0056 *****
0000420 0057 *****
0000430 0058 *****
0000440 0059 *****
0000450 0060 *****
0000460 0061 *****
0000470 0062 *****
0000480 0063 *****
0000490 0064 *****
0000500 0065 *****
0000510 0066 *****
0000520 0067 *****
0000530 0068 *****
0000540 0069 *****
0000550 0070 *****
0000560 0071 *****
0000570 0072 *****

2304 KANA GATE LR RAN1 LET 1 XACT IN
2305 LOGIC 5 RAN1 CLOSE THE GATE
2306 SAVEVALUE ETRJ,0,4H RESET
2307 ASSIGN 1,MHSGRP(7,PH5),PH GROUP INDEX - SQUADRON
2308 TEST E BVSCYOPS,1,RANJ CYCLIC OPS
2309 SCAN PH1,PH,PH4,35PB,2PB PB2 = A/C REPAIR LOCATION
2310 SAVEVALUE RLU,PH2,XB A/C REPAIR LOCATION INDICATOR
2311 ASSIGN 2,MHSCMA(1,PH5),PH CHAIN INDEX - DISCREPANCIES
2312 UNLINK PH2,RANB,ALL,PHB THIS SQUADRON
2313 ASSIGN 1,PR,PHB DISCREPANCIES THIS A/C
2314 PRIORITY 35,BUFFER CURRENT PRIORITY
2315 PRIORITY PBI WAIT UNTIL REPAIR ANALYSIS COMPLETED
2316 ALTER PH1,1,24PH,XHSETTR,PHB,PH4 RESTORE PRIORITY
2317 TEST E BVSCYOPS,1,RANM CYCLIC OPS
2318 TEST ME XBKLD,PH2,RANM FEPAIR LOCATION INDICATOR CHANGED
2319 ALTER PH1,1,35PB,XBKL,PH4,PH4 FEPAIR REPAIR LOCATION
2320 LOGIC 2 RAN1 OPEN THE GATE
2321 TRANSFER PH1,1,1
2322 TEST ME PH3,14,RANJ NOT A SCHEDULED MAINT. DISCREPANCY
2323 TEST E PH4,0,RANC REPAIR NOT YET ANALYZED
2324 SAVEVALUE MHCL,22,XB SUBSYSTEM MH CJL - MTR - URG.
2325 ASSIGN 13-14,V6TTR,PH TTR THIS DISCREPANCY
2326 TEST L PH1,2,RAN TTR LESS THAN 12 MINUTES
2327 ASSIGN 13-14,0,PH MAKE TTR = 12 MINUTES
2328 TEST E BVSCYOPS,1,RANG CYCLIC OPS
2329 TEST GE RAN5,MHCPH19(PH2,31),RANF CAN REPAIR ONLY BE DONE
2330 ASSIGN 13,1,PH ON HANGAR DECK
2331 ASSIGN 14,1,PH REPAIR LOCATION = HANGAR DECK
2332 TEST ME PH3,0,RAN45 REPAIR HAS BEEN ANALYZED
2333 ASSIGN 1,11,PH REPAIR STATUS = DEFERRED
2334 SPLIT 1,RANM,3,3PB,25,PH,14PF CREATE ORGANIZATIONAL REPAIR
2335 RAN6 XH6,TTR,PH14,RAN1 OR CANNIBALIZATION ACTION XACT
2336 TEST L LTRJ,PH14,XH COMPUTE XACT. REMAINING TTR
2337 SAVEVALUE BVSCYOPS,1,RANJ COMPUTE XACT. REMAINING TTR
2338 TEST E XBKL,1,RANJ CYCLIC OPS
2339 TEST ME RAN5,PH14,RANJ WAS PREVIOUS INDICATION THAT A/C
2340 ***** WAS REPAIRED EITHER IN FLIGHT
2341 ***** OR HANGAR DECK

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LINE#	STMT#	IF	DO	3LOC#	*LUC	OPERATION	A.B.C.D.E.F.G	COMMENTS
00046550	4873			2333		TEST E	PH13,1,RANK	DOES THIS REPAIR REQUIRE HANGAR DECK
00046590	4874			2340		SAVEVALUE	KLD,1,XB	REPAIR LOCATION = HANGAR DECK
00046600	4875		RANK	2341		LINK	PH6,1,PH	CURRENT DISCREPANCIES
00046610	4876		RANK	2342		SAVEVALUE	RLJ,2,XB	REPAIR CAN BE IN EITHER HANGAR OR FLIGHT DECK
00046620	4877							
00046630	4878			2343		TRANSFER	RANK	
00046640	4879		RANK	2344		TEST NE	PH3,6,KAT	IS THIS NOT A CANNIBALIZATION
00046650	4880							
00046660	4881			2345		ASSIGN	3,5,PH	IDENT = REPAIR
00046670	4882		RANK	2346		MARK	11,0,PF	CLEAR THIS PARAMETER
00046680	4883			2347		ASSIGN	38,VSMEN,PB	MANPOWER - URG. PRIMARY
00046690	4884			2348		ASSIGN	RN6,MHSPH19(PH2,15),RANK	IS ALTERNATE WORK CENTER BEING USED
00046700	4885			2349		TEST L		
00046710	4886							
00046720	4887			2350		ASSIGN	45,MHSPH19(PH2,16),PH	WORK CENTER I.D. - ALTERNATE
00046730	4888		RANK	2351		TEST NE	PH3,7,MANV	IS THIS NOT A CANNIBALIZATION ACTION
00046740	4889			2352		TEST NE	PH21,9,RANK	IS THIS NOT ANOTHER TRY AT REMOVING THE ACTUALLY FAILED WKA
00046750	4890							
00046760	4891			2353		TEST E	PH26,1,RANK	IS THIS A REMOVE AND REPLACE ACTION
00046770	4892		RANK	2354		ASSIGN	50,MHSPH19(PH2,19),PH	WORK CTR. I.D. - INTERMEDIATE
00046780	4893			2355		TEST G	V8BCM,KN5,RANK	IS REPAIR BCM
00046790	4894			2356		TEST G	V8BCM18,KN6,MANU	IS REPAIR BCM I-B
00046800	4895			2357		ASSIGN	28,19,PB	BCM CODE 1-8
00046810	4896		RANK	2358		SAVEVALUE	WKCPH,39,XB	PH INDEX
00046820	4897			2359		SAVEVALUE	WKC,PH45,XB	WORK CENTER I.D. - ORGANIZATIONAL
00046830	4898			2360		TRANSFER	SKR,RAND,11PH	
00046840	4899			2361		JOIN	PH15	REPAIRS THIS SQUADRON
00046850	4900			2362		ASSIGN	46,0,PH	CLEAR THIS PH
00046860	4901			2363		ASSIGN	48-49,0,PH	CLEAR THESE PARAMETERS
00046870	4902			2364		TEST NE	PH3,7,MANV	IS THIS NOT A CANNIBALIZATION ACTION
00046880	4903			2365		TEST NE	PH21,9,RANK	IS THIS NOT ANOTHER TRY AT REMOVING THE ACTUALLY FAILED WKA
00046890	4904							
00046900	4905			2366		LINK	PH18,1,PH	DEFERRED REPAIRS THIS SQUADRON
00046910	4906		RANK	2367		ASSIGN	45,MHSPH19(PH2,12),PH	WORK CENTER I.D. - URG. PRI.
00046920	4907			2368		TRANSFER	RANK	
00046930	4908		RANK	2369		ASSIGN	3,7,PB	IDENT = CANNIBALIZATION ACTION
00046940	4909			2370		TRANSFER	RANK	
00046950	4910		RANK	2371		ASSIGN	13,2,PB	REPAIR CAN BE DONE ON FLIGHT DECK
00046960	4911			2372		TRANSFER	RANK	
00046970	4912		RANK	2373		ASSIGN	2,FNSPINJ5,PH	R04 POINTER - 4MSKCU
00046980	4913			2374		ASSIGN	2,2,PB	LOADING PARAMETER
00046990	4914			2375		INDEX	2,PH,11	R04 POINTER - 4MSSTO
00047000	4915		RANK	2376		ASSIGN	XBSKCPH,MH\$STD(PH1,PB5),PH	STORAGE INDEX - URG.
00047010	4916							WORK CENTER
00047020	4917			2377		SAVEVALUE	WKCPH,1,XB	PH INDEX
00047030	4918			2378		INDEX	2,PH,25	R04 POINTER - 4MSSTO
00047040	4919			2379		LOAD	2,PH,RANK	UD FOR RJTH SHIFTS
00047050	4920			2380		INDEX	2,PH,12	R04 POINTER - 4MSGRP
00047060	4921			2381		ASSIGN	XBSKCPH,MH\$GRP(PH1,PB5),PH	GROUP INDEX - URG. M.C.
00047070	4922			2382		SAVEVALUE	WKCPH,1,XB	PH INDEX
00047080	4923			2383		INDEX	2,PH,15	R04 POINTER - 4MSQUE
00047090	4924			2384		ASSIGN	41,KCPH,MH\$JUE(PH1,PB5),PH	QUEUE INDEX - URG. M.C.
00047100	4925			2385		TRANSFER	PH,11,1	
00047110	4926		RANK	2386		ASSIGN	17,17,PB	TASK = REMOVE FOR CANNIBALIZATION
00047120	4927			2387		LINK	PH9,LIU	REPAIRS AMM
00047130	4928		RANK	2388		ASSIGN	25,2,PB	BCM CODE 9

LINE#	STATE	IF	DO	BLK#	QLOC	OPERATION	A,B,C,D,E,F,G	COMMENTS
0007190	4929			2389		TRANSFER	RANK	
0007190	4930			2390		ASSIGN	17.13,PH	TASK = REMOVE
0007190	4931			2391		LINK	PH2,FIF	REPAIRS AM
0007190	4932							
0007190	4933							
0007190	4934							
0007200	4935							
0007210	4936			2392				
0007220	4937			2393				
0007230	4938			2394				
0007240	4939			2395				
0007250	4940							
0007260	4941			2396				
0007270	4942			2397				
0007280	4943			2398				
0007290	4944			2399				
0007300	4945			2400				
0007310	4946			2401				
0007320	4947			2402				
0007330	4948			2403				
0007340	4949			2404				
0007350	4950			2405				
0007360	4951			2406				
0007370	4952			2407				
0007380	4953			2408				
0007390	4954			2409				
0007400	4955			2410				
0007410	4956			2411				
0007420	4957			2412				
0007430	4958			2413				
0007440	4959			2414				
0007450	4960			2415				
0007460	4961			2416				
0007470	4962			2417				
0007480	4963			2418				
0007490	4964			2419				
0007500	4965			2420				
0007510	4966			2421				
0007520	4967			2422				
0007530	4968			2423				
0007540	4969			2424				
0007550	4970			2425				
0007560	4971			2426				
0007570	4972			2427				
0007580	4973			2428				
0007590	4974			2429				
0007600	4975			2430				
0007610	4976			2431				
0007620	4977			2432				
0007630	4978			2433				
0007640	4979			2434				
0007650	4980			2435				
0007660	4981			2436				
0007670	4982			2437				
0007680	4983			2438				
0007690	4984			2439				

***** PAGE MSG - MISDIAGNOSIS SUBROUTINE *****
 MSGA GATE LA DISAL IS SUBROUTINE 'DIS' IDLE
 SAVEVALUE ACSC,PU,XB A/C SERIAL NUMBER
 SAVEVALUE SBSM,PM19,AM SUBSYSTEM MM INDEX
 SAVEVALUE TUF,MM,PM3(PH,PM23),AM SUBSYSTEM MAINT. ACTION
 RATE
 MSGH SAVEVALUE CPRJ,C,AF RESET
 SAVEVALUE RAN2,V,RAN62,AF 6-DIGIT RANDOM NUMBER
 SAVEVALUE RANR,0,AM RESET
 MSGG ASSIGN 2,MM,PM3(PH,3),PH NUMBER OF MRAS THIS SUBSYSTEM
 SAVEVALUE RANR,0,AM K34 NUMBER - SUBSYSTEM MM
 MSGG SAVEVALUE PRD,MM,PM19,AM,RANR,PM23),AM DISCREPANCY PROB.
 SAVEVALUE TEST NE IS DISCREPANCY PROBABILITY NONZERO
 MSGG SAVEVALUE CPRJ,C,V,PMRJB,AF CUMULATIVE DISCREPANCY PROBABILITY
 TEST G XFRAN62,XFRCPROB,MSGG TRY THE NEXT MRA
 MSGG LOOP 2PH,MSGG DU FOR ALL MRAS
 TRANSFER MSGG
 MSGG TEST NE XMRANK,PH26,MSGG IS THIS NOT THE FAILED MRA
 XMRANK,PH2,MSGG IS THIS MRA NOT THE ONE JUST
 UNLINK PH2,MSGG,1,5PF,V,MRACD,MSGG HAS THIS MRA
 PRIORITY ALREADY BEEN REMOVED
 TRANSFER MSGG
 MSGG ASSIGN 2,PH26,PH RM NUMBER - FAILED MRA
 MSGG SAVEVALUE RANR,PM26,AM MRA NR. - FAILED MRA
 MSGG ASSIGN 2,PMRJB,AF RESET MRA FLAG
 MSGG ASSIGN 5,V,MRACD,PF A/C-MRA CODE - MRA TO BE REMOVED
 MSGG ASSIGN 6,V,PMRJB,PF MUC TO BE TRIED
 MSGG TRANSFER PH,11,1
 MSGG TEST L RAN2,MM,PM19,AM,RANR,PM23),MSGG IS THIS ANOTHER
 ASSIGN 2,MM,PMRJB,PH K34 NR. - MRA TO BE REMOVED
 TRANSFER MSGG
 MSGG LINK PH27,FIF UNRESOLVED DISCREPANCIES
 ***** PAGE FIF - SUBROUTINE TO CALCULATE INTERVAL BETWEEN LAUNCH EVENTS
 TELA SAVEVALUE ADVAL,MM,PM1,AM,RANR,PM23),AM TIME THIS LAUNCH
 SAVEVALUE LT,1,V,MRACD,AM CONVERT TO CLOCK UNITS
 SAVEVALUE ADVAL,0,AM NEXT LAUNCH EVENT NUMBER
 MSGG ASSIGN 1,MM,PM1,AM,RANR,PM23),AM TIME THIS LAUNCH
 SAVEVALUE LT,2,V,MRACD,AM CONVERT TO CLOCK UNITS
 MSGG SAVEVALUE TELA,VSTTL,AM TIME BETWEEN LAUNCHES
 TRANSFER PH,11,1

***** PAGE CFB - REMAINING MISSILE CAPABILITY SUBROUTINE *****

LINE#	STMT#	IF DO	BLOCK#	LOC	OPERATION	A,B,C,D,E,F,G	COMMENTS
00048280	5041		2471		PRIORITY	9)	NORMAL A/C PRIORITY
00048290	5042		2472		ASSIGN	31,XBUPSA1,PB	NEW MISSION CAPABILITY
00048300	5043		2473		TEST L	PB31,26,UPSA	IS A/C (STILL) NMC
00048310	5044		2474		TEST RE	NHSCJMP(L,PB5),0,UPSA	IS CANNIBALIZATION PERMITTED
00048320	5045		2475		TEST L	IV8CANVQ,1,UPSA	DOES THIS A/C QUALIFY AS A VICTIM
00048330	5046	*					A/C
00048340	5047		2476		SPLIT	1,CANVA	TO MAKE A/C AVAILABLE FOR
00048350	5048	*					CANNIBALIZATION
00048360	5049		2477		UPSA LINK	PH26,24PH	A/C IN MAINTENANCE
00048370	5050		2478		UPSA ASSIGN	31,1,PB	NEW STATUS = U/C
00048380	5051		2479		TRANSFER	UPSA	
00048390	5052		2480		UPSA TEST G	VSCMCD,18,UPSA1,UPSAE	Worse MISSION CAPABILITY
00048400	5053		2481		SAVEVALUE	UPSA1,VSCMCD,18	UPDATE MISSION CAPABILITY
00048410	5054		2482		UPSAE LINK	PH6,24PH	CURRENT DISCREPANCIES
00048420	5055		2483		UPSAF TEST E	PH31,1,UPSAH	IS A/C NOW OPC
00048430	5056		2484		JOIN	PH8,26,UPSA1	OPC A/C
00048440	5057		2485		UPSAH TEST E	PH8,26,UPSA1	WAS A/C NMC
00048450	5058		2486		TABULATE	NHSTAB(3,PB5)	NMC TIME DISTRIBUTION
00048460	5059		2487		ASSIGN	27,1,PB	RESET THIS PB
00048470	5060		2488		UPSAI TRANSFER	SBR,CHMCA,16PH	UPDATE A/C MISSION CAPABILITY
00048480	5061		2489		TEST NE	VSUPSA1,1,UPSAJ	ANY DISCREPANCIES IN WORK
00048490	5062		2490		LINK	PH26,24PH	A/C IN MAINTENANCE
00048500	5063	*	2491		UPSAJ TEST NE	VSUPSA2,3,UPSAK	ANY SCIR-RELATED DISCREPANCIES AMM,
00048510	5064						AMP, OR NOT YET RECEIVED
00048520	5065		2492		LINK	PH26,24PH	A/C IN MAINTENANCE
00048530	5066		2493		UPSAK TEST E	PB8,1,DBU19	IS A/C NOW OPC
00048540	5067		2494		ASSIGN	9,1,PB	ACTIVITY-AVAILABLE FOR MISSION CALL
00048550	5068		2495		ASSIGN	16,1,PF	CLEAR THIS PARAM.
00048560	5069		2496		LEAVE	PH21	EVENT STORAGE
00048570	5070	*	2497		ASSIGN	40,1,PB	RESET GROUND CREW PREFLIGHT NOT
00048580	5071		2498		MARK	15PF	NEEDED FLAG
00048590	5072	*					TIME UNSCHEDULED MAINTENANCE
00048600	5073		2499		TEST E	BV8CYOPS,1,UPSA	COMPLETED
00048610	5074		2500		TEST E	PH34,1,UPSA	CYCLIC OPS
00048620	5075		2501		TEST L	NHSTYPE(6,PB6),2,UPSA	IS A/C ON HANGAR DECK
00048630	5076	*					OPERATING UNDER PHASED
00048640	5077		2502		TRANSFER	SBR,PHAAA,16PH	MAINTENANCE
00048650	5078		2503		UPSA GATE LR	RSPM2,UPSA	CHECK FOR PHASED INSPECTION DUE
00048660	5079		2504		ASSIGN	14,V8KSPJT,PH	OK TO RESPT A/C
00048670	5080		2505		TRANSFER	SBR,RSPFA,11PH	RESPT TIME
00048680	5081		2506		UPSA REMOVE	PH34	RESPT TO FLIGHT DECK
00048690	5082		2507		LINK	PH7,9PH	A/C IN MAINTENANCE
00048700	5083		2508		UPSA LINK	PH34	A/C NOT IN MAINTENANCE
00048710	5084	*	2509		UPSA REMOVE	NHSTYPE(6,PB6),2,UPSA	A/C IN MAINTENANCE
00048720	5085		2510		TRANSFER	SBR,PHAAA,16PH	OPERATING UNDER PHASED
00048730	5086		2511		UPSA LINK	PH7,9PH	MAINTENANCE
00048740	5087						CHECK FOR PHASED INSPECTION DUE
00048750	5088	*					A/C NOT IN MAINTENANCE
00048760	5089						
00048770	5090	*					
00048780	5091						
00048790	5092						
00048800	5093		2512		ALVCA TEST I	PH6,J,ADVCF	DETERMINE TIME TO NEXT LAUNCH OR NEXT FIRST SHIFT ***
00048810	5094		2513		ASSIGN	PH48,REC(2,1),PH	IS THIS THE FIRST ENTRY THIS ACT
00048820	5095		2514		ASSIGN	6,1,PH	MODEL OPERATIONAL CYCLE
00048830	5096		2515		SAVEVALUE	ADCL,1,PH	MAKE THIS PB
00048840	5097						CURRENT COLUMN NUMBER = MM80PS

LINE#	STMT#	IF	DO	BLK#	*LUC	OPERATION	*A,B,C,D,E,F,G	COMMENTS
0000020	5097			2515		TEST E	P03,2,ADVCH	IS THIS AN AIR PLAN XACT
0000030	5098			2517		TEST NE	MM0PH1,1,MM0ADCOL,MM0ADVC	NOT A STAND DOWN DAY
0000040	5099			2518		ADVCI SAVEVALUE	ADVAL,MM0MM0ADMM0MM0ADMM0,1,MM0	MM VALUE - START TIME
0000050	5100			2519		SAVEVALUE	ADV,C,V0CNVRT,MM0	TOTAL TIME
0000060	5101			2520		SAVEVALUE	ADVNC,1,MM0	MAKE CORRECTION FOR FIRST DAY
0000070	5102			2521		TRANSFER	PH,0,1	
0000080	5103			2522		ADVCF SAVEVALUE	ADVAL,MM0PCJL,MM0	CURRENT COL NK. - MM0PS
0000090	5104			2523		ADVCG SAVEVALUE	ADVNC,V0ENDAY,MM0	TIME REMAINING UNTIL END OF DAY
0000100	5105			2524		ADVCB TEST E	MM0ADCOL,MM0REC(2,1),ADVCC	IS THIS THE LAST COL.
0000110	5106			2525		SAVEVALUE	ADVAL,1,MM0	FIRST COLUMN
0000120	5107			2526		ADVCD TEST E	PH,2,ADVCH	IS THIS AN AIR PLAN XACT
0000130	5108			2527		TEST NE	MM0PH1,1,MM0ADCOL,MM0ADVC	NOT A STAND DOWN DAY
0000140	5109			2528		ADVCK SAVEVALUE	ADVAL,MM0MM0ADMM0MM0ADMM0,1,MM0	MM VALUE - START TIME
0000150	5110			2529		SAVEVALUE	ADVNC,V0CNVRT,MM0	TOTAL TIME
0000160	5111			2530		TRANSFER	PH,0,1	
0000170	5112			2531		ADVCC SAVEVALUE	ADVAL,1,MM0	NEXT COLUMN
0000180	5113			2532		TRANSFER	ADVCD	
0000190	5114			2533		ADVCC SAVEVALUE	ADVNC,2,C,MM0	ADD A DAY
0000200	5115			2534		LIOP	MM0,ADVCH	
0000210	5116			2535		TRANSFER	MM0PS(1,1),MM0PCJL,MM0	NOT A STAND DOWN DAY
0000220	5117			2536		TEST NE	MM0PS(1,1),MM0PCJL,MM0	NOT A STAND DOWN DAY
0000230	5118			2537		TRANSFER	ADVCI	
0000240	5119			2538		ADVCH TEST NE	MM0PS(1,1),MM0PCJL,MM0	NOT A STAND DOWN DAY
0000250	5120			2539		TRANSFER	ADVCK	
0000260	5121			2540		USRAA LEAVE	PH,0,1,MM0	ORGANIZATIONAL MANPOWER RELEASE SUBROUTINE *****
0000270	5122			2541		REMOVE	PH,0,1,MM0	RELEASE MANPOWER
0000280	5123			2542		TRANSFER	PH,0,1,MM0	A/C USING THIS WORK CENTER
0000290	5124			2543		TEST NE	PH,0,1,MM0	UPDATE DRG. MAINT. STATISTICS
0000300	5125			2544		TEST NE	PH,0,1,MM0	IS THIS NOT A SHIFT CHANGE
0000310	5126			2545		TEST NE	PH,0,1,MM0	NOT A CANNIBALIZATION REMOVAL
0000320	5127			2546		TEST NE	PH,0,1,MM0	IS THIS NOT A REPAIR AWAITING CANNIBALIZATION
0000330	5128			2547		TEST NE	PH,0,1,MM0	NOT AN IN-CYCLE MAINTENANCE TASK
0000340	5129			2548		USRAJ SAVEVALUE	TALNO,PH,0,1,MM0	A/C TAIL NUMBER
0000350	5130			2549		SAVEVALUE	MM0,PH,0,1,MM0	WORK CENTER I,J.
0000360	5131			2550		UNLINK	PH,0,1,MM0	TASKS THIS A/C AMM THIS WORK CENTER
0000370	5132			2551		UNLINK	PH,0,1,MM0	TASKS AMM THIS WORK CTR
0000380	5133			2552		TRANSFER	PH,0,1,MM0	NEEDED M2A
0000390	5134			2553		SAVEVALUE	TALNO,PH,0,1,MM0	TAIL NUMBER OF VICTIM A/C
0000400	5135			2554		UNLINK	PH,0,1,MM0	CANNIBALIZATION ACTION
0000410	5136			2555		TRANSFER	PH,0,1,MM0	IS THIS NOT A SCHEDULED MAINTENANCE TASK
0000420	5137			2556		TEST NE	PH,0,1,MM0	IS A/C NOT UNDERGOING IN-CYCLE MAINT
0000430	5138			2557		SCAN	PH,0,1,MM0	GET IN-CYCLE MAINTENANCE FLAG
0000440	5139			2558		TEST NE	PH,0,1,MM0	IS A/C NOT UNDERGOING IN-CYCLE MAINT
0000450	5140			2559		SCAN	PH,0,1,MM0	GET CURRENT A/C ACTIVITY
0000460	5141			2560		TEST NE	PH,0,1,MM0	IS A/C NOT IN SCHEDULED MAINTENANCE

LINE#	STMT#	IF DO	BLDC48	*LOC	OPERATION	ADD,C,U,E,F,G	COMMENTS
00049390	5153		2551		USAL		
00049390	5154		2552		LINK	BVSIMNT,U,USAAA	IS A/C NOT AVAILABLE FOR MAINTENANCE
00049400	5155		2553		USAL	PH9,14PH	REPAIRS AM
00049410	5156		2554		TEST NE	AROSHT,PH18,USKAC	HAS THE SHIFT CHANGED
00049420	5157		2555		TRANSFER	PH,11,1	
00049430	5158		2556		USAL	SAVEVALUE	
00049440	5159				TRANSFER	WKC,PH45,XH	WKC CLNTR I.O.
00049450	5160					USKAG	
00049460	5161						
00049470	5162						
00049480	5163						
00049490	5164						
00049500	5165		2557		POSTA	PH3,1,POSTL	IS THIS NOT AN A/C XACT
00049510	5166		2558		SAVEVALUE	EMT,V8EMTD,XH	EMT SINCE LAST UPDATE
00049520	5167		2559		SAVEVALUE	WKC,PH45,XH	WKC CLNTR I.O.
00049530	5168		2570		SAVEVALUE	MEM,PH38,XH	MAPPOWER USED
00049540	5169		2571		SAVEVALUE	DMH,V8DMH,XH	DIRECT MM SINCE LAST UPDATE
00049550	5170		2572		TEST L	PH2,1,1,POSTH	WAS REPAIR SUCCESSFUL
00049560	5171						(OR SCHEU. MAINT. TASK COMPLETED)
00049570	5172		2573		TRANSFER	POSTL	
00049580	5173		2574		POSTH	PH3,15,POSTG	IS THIS NOT A SCHEU. MAINT. XACT
00049590	5174		2575		TEST L	BVSIMNT,U,1,POSTG	IS MAINTENANCE ACTION COMPLETED
00049600	5175				POSTL	MSAVEVALUE	PH12+,FN\$PTRJ5,1,MX TOTAL ITEMS PROCESSED THIS
00049610	5176						THIS WORK CENTER
00049620	5177		2577		MSAVEVALUE	PH12+,FN\$PTRJ5,13,1,MX	TOTAL ITEMS PROCESSED THIS
00049630	5178						WORK CENTER
00049640	5179		2579		MSAVEVALUE	PH12+,17,13,1,MX	TOTAL ITEMS PROCESSED
00049650	5180		2579		MSAVEVALUE	PH12+,17,13,1,MX	TOTAL ITEMS PROCESSED THIS
00049660	5181						TYPE MAINTENANCE
00049670	5182		2530		TEST GE	PH9,11,POSTS	IS THIS UNSCHEDULED MAINTENANCE
00049680	5183		2531		MSAVEVALUE	PH12+,FN\$PTRJ5,6,1,MX	TOTAL UNSCHEDULED MA'S THIS
00049690	5184						WORK CENTER
00049700	5185		2582		MSAVEVALUE	PH12+,17,6,1,MX	TOTAL MAINTENANCE ACTIONS
00049710	5186		2583		POSTG	MSAVEVALUE	PH12+,FN\$PTRJ5,1,MX DIRECT MM
00049720	5187						THIS TYPE MAINT. THIS WORK CENTER
00049730	5188		2534		TEST GE	PH9,11,POSTS	IS THIS UNSCHEDULED MAINTENANCE
00049740	5189		2585		MSAVEVALUE	PH12+,FN\$PTRJ5,16,MX	TOTAL DMH - UNSCHEDULED
00049750	5190						THIS WORK CENTER
00049760	5191		2585		MSAVEVALUE	PH12+,17,16,MX	TOTAL DIRECT MMH
00049770	5192		2537		POSTK	MSAVEVALUE	PH12+,FN\$PTRJ5,23,MX
00049780	5193						TOTAL DIRECT MMH
00049790	5194		2539		MSAVEVALUE	PH12+,17,13,1,MX	TOTAL DIRECT MMH
00049800	5195						THIS TYPE MAINTENANCE
00049810	5196		2539		MSAVEVALUE	PH12+,17,23,MX	TOTAL DIRECT MMH
00049820	5197		2530		TEST NE	PH3,1,POSTH	IS THIS NOT AN A/C XACT
00049830	5198		2531		TEST NE	PH3,15,POSTH	IS THIS NOT A SCHEU. MAINT. XACT
00049840	5199		2532		TRANSFER	POSTH	
00049850	5200		2533		POSTP	PH9,11,POSTH	HAS THIS AN INSPECTION, NOT MAINT.
00049860	5201		2534		MSAVEVALUE	PH12+,FN\$PTRJ1,2,1,MX	INSPECTIONS BY EVENT
00049870	5202		2535		TEST L	BVSIMNT,U,1,POSTH	HAS THIS ORDNANCE RECONFIGURATION
00049880	5203		2535		MSAVEVALUE	PH12+,7,2,1,MX	ORDNANCE RECONFIGURATIONS
00049890	5204		2537		TRANSFER	PH,15,1	
00049900	5205		2539		POSTS	PH3,15,POSTG	IS THIS NOT SCHEDULED MAINTENANCE
00049910	5206		2539		MSAVEVALUE	PH12+,FN\$PTRJ5,1,1,MX	TOTAL SUPPORT ACTIONS THIS
00049920	5207						WORK CENTER
00049930	5208		2530		MSAVEVALUE	PH12+,17,1,1,MX	TOTAL SUPPORT ACTIONS

***** PAGE POST - STATISTICAL POSTING SUBROUTINES *****

***** WORK CENTER STATISTICS *****

POSTA TEST NE PH3,1,POSTL IS THIS NOT AN A/C XACT

SAVEVALUE EMT,V8EMTD,XH EMT SINCE LAST UPDATE

SAVEVALUE WKC,PH45,XH WKC CLNTR I.O.

SAVEVALUE MEM,PH38,XH MAPPOWER USED

SAVEVALUE DMH,V8DMH,XH DIRECT MM SINCE LAST UPDATE

TEST L PH2,1,1,POSTH WAS REPAIR SUCCESSFUL

(OR SCHEU. MAINT. TASK COMPLETED)

TRANSFER POSTL

POSTH TEST NE PH3,15,POSTG IS THIS NOT A SCHEU. MAINT. XACT

TEST L BVSIMNT,U,1,POSTG IS MAINTENANCE ACTION COMPLETED

POSTL MSAVEVALUE PH12+,FN\$PTRJ5,1,MX TOTAL ITEMS PROCESSED THIS

MSAVEVALUE PH12+,FN\$PTRJ5,13,1,MX TOTAL ITEMS PROCESSED THIS

MSAVEVALUE PH12+,17,13,1,MX TOTAL ITEMS PROCESSED

MSAVEVALUE PH12+,17,13,1,MX TOTAL ITEMS PROCESSED THIS

TEST GE PH9,11,POSTS IS THIS UNSCHEDULED MAINTENANCE

MSAVEVALUE PH12+,FN\$PTRJ5,6,1,MX TOTAL UNSCHEDULED MA'S THIS

MSAVEVALUE PH12+,17,6,1,MX TOTAL MAINTENANCE ACTIONS

POSTG MSAVEVALUE PH12+,FN\$PTRJ5,1,MX DIRECT MM

TEST GE PH9,11,POSTS IS THIS UNSCHEDULED MAINTENANCE

MSAVEVALUE PH12+,FN\$PTRJ5,16,MX TOTAL DMH - UNSCHEDULED

MSAVEVALUE PH12+,17,16,MX TOTAL DIRECT MMH

POSTK MSAVEVALUE PH12+,FN\$PTRJ5,23,MX TOTAL DIRECT MMH

MSAVEVALUE PH12+,17,13,1,MX TOTAL DIRECT MMH

TEST NE PH3,1,POSTH IS THIS NOT AN A/C XACT

TEST NE PH3,15,POSTH IS THIS NOT A SCHEU. MAINT. XACT

TRANSFER POSTH

POSTP PH9,11,POSTH HAS THIS AN INSPECTION, NOT MAINT.

MSAVEVALUE PH12+,FN\$PTRJ1,2,1,MX INSPECTIONS BY EVENT

TEST L BVSIMNT,U,1,POSTH HAS THIS ORDNANCE RECONFIGURATION

MSAVEVALUE PH12+,7,2,1,MX ORDNANCE RECONFIGURATIONS

TRANSFER PH,15,1

POSTS PH3,15,POSTG IS THIS NOT SCHEDULED MAINTENANCE

MSAVEVALUE PH12+,FN\$PTRJ5,1,1,MX TOTAL SUPPORT ACTIONS THIS

MSAVEVALUE PH12+,17,1,1,MX TOTAL SUPPORT ACTIONS

LINE# STATE IF DO BLOCK# *LOC OPERATION A,B,C,D,E,F,G COMMENTS

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00049940 5209 TRANSFER ,PUSIG
00049950 5210 PUSTT TEST NE PH3,15,PUSIG IS THIS NOT SCHEDULED MAINTENANCE
00049960 5211 MSAVEVALUE PH10,PHN,PTR,5,20,AMSDMMH,MX TOTAL DMMH - SUPPORT
00049970 5212 THIS WORK CENTER
00049980 5213 MSAVEVALUE PH12,PH,17,20,AMSDMMH,MX TOTAL DMMH - SUPPORT
00049990 5214 TRANSFER ,PUSIG
00050000 5215
00050010 5216
00050020 5217
00050030 5218
00050040 5219
00050050 5220
00050060 5221
00050070 5222
00050080 5223
00050090 5224
00050100 5225
00050110 5226
00050120 5227
00050130 5228
00050140 5229
00050150 5230
00050160 5231
00050170 5232
00050180 5233
00050190 5234
00050200 5235
00050210 5236
00050220 5237
00050230 5238
00050240 5239
00050250 5240
00050260 5241
00050270 5242
00050280 5243
00050290 5244
00050300 5245
00050310 5246
00050320 5247
00050330 5248
00050340 5249
00050350 5250
00050360 5251
00050370 5252
00050380 5253
00050390 5254
00050400 5255
00050410 5256
00050420 5257
00050430 5258
00050440 5259
00050450 5260
00050460 5261
00050470 5262
00050480 5263
00050490 5264

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* WRA & SUBSYSTEM ORGANIZATIONAL MAINTENANCE STATISTICS
 PUSTT TEST NE PB17,17,PUSIG IS THIS NOT A CANNIBALIZATION
 REMOVAL
 * TEST NE PB17,16,PUSIG IS THIS NOT A CANNIBALIZATION
 REPLACEMENT
 * SAVEVALUE OUT1,PHN,PTR,3,XB COLUMN NUMBER - SUBSYSTEM MM
 TEST L BVAE,DMH,1,PUSIG IS MAINTENANCE ACTION COMPLETED
 * MSAVEVALUE PH19,PH20,XB,OUT1,1,MX TOTAL MAINT. ACTIONS THIS WRA
 BY WHEN DISCOVERED
 * MSAVEVALUE PH19,PH20,5,1,MX TOTAL MAINT. ACTIONS THIS WRA
 SAVEVALUE OUT1,20,XB COLUMN NR. - SYSTEM MX
 * MSAVEVALUE PH3,PH,AB,OUT1,1,MX TOTAL MAINT. ACTIONS THIS
 SUBSYSTEM BY WHEN DISCOVERED
 * MSAVEVALUE SYSUM,PH5,AB,OUT1,1,MX TOTAL MAINTENANCE ACTIONS
 BY WHEN DISCOVERED
 * MSAVEVALUE PH3,PH,3,1,MX TOTAL MAINT. ACTION THIS SUBSYSTEM
 MSAVEVALUE SYSUM,PH5,3,1,MX TOTAL MAINTENANCE ACTIONS
 POSTU SAVEVALUE MEN,PH38,XH URG. PRIMARY MANPOWER
 SAVEVALUE MEN,PH10,XH URG. SECONDARY MANPOWER
 * SAVEVALUE DMMH,VSD,MMH,MX DIRECT MMH SINCE LAST UPDATE
 MSAVEVALUE PH19,PH20,5,1,MXSENT,MMH TOTAL EMT THIS WRA
 MSAVEVALUE PH19,PH20,50,XHSDMMH,MX TOTAL DMMH THIS WRA
 * MSAVEVALUE PH3,PH,35,ABSENT,MX TOTAL EMT THIS SUBSYSTEM
 MSAVEVALUE SYSUM,PH5,35,ABSENT,MX TOTAL EMT
 MSAVEVALUE PH3,PH,36,ABSDMMH,MX TOTAL DMMH THIS SUBSYSTEM
 * MSAVEVALUE SYSUM,PH5,36,XHSDMMH,MX TOTAL DMMH
 PUSTB TRANSFER PH,16,1

* INTERMEDIATE MAINTENANCE STATISTICS
 PUSTJ SAVEVALUE DMMH,VSD,MMH,MX DIRECT MMH - INTERMEDIATE
 MSAVEVALUE PH19,PH20,59,XHSENT,MMH EMT THIS ITEM - INT.
 MSAVEVALUE PH3,PH,39,XHSENT,MX TOTAL EMT (INT) THIS SUBSYSTEM
 MSAVEVALUE SYSUM,PH5,39,XHSENT,MX TOTAL EMT - INTERMEDIATE
 * MSAVEVALUE PH19,PH20,60,XHSDMMH,MX DIRECT MMH THIS ITEM - INT
 MSAVEVALUE PH3,PH,60,ABSDMMH,MX DIRECT MMH (INT) THIS
 SUBSYSTEM
 * MSAVEVALUE SYSUM,PH5,60,XHSDMMH,MX TOTAL DIRECT MMH (INT)
 MSAVEVALUE AIM3,PHN,PTR,12,9,XHSDMMH,MX DIRECT MMH THIS W.C.
 MSAVEVALUE AIM3,30,9,XHSDMMH,MX TOTAL DIRECT MMH - AIMD
 * MSAVEVALUE PH19,PH20,51,1,MH IMA MAINT. ACTIONS THIS ITEM
 MSAVEVALUE PH3,PH,35,1,MH IMA MAINT. ACTIONS THIS SUBSYSTEM
 * MSAVEVALUE SYSUM,PH5,35,1,MH IMA MAINT. ACTIONS THIS SUBSYSTEM
 MSAVEVALUE AIM3,PHN,PTR,12,3,1,MH IMA MAINTENANCE ACTIONS
 * MSAVEVALUE AIM3,30,3,1,MH TOTAL AIMD ITEMS PROCESSED
 TRANSFER PH,16,1

LINE#	STMT#	IF DO	BLK#	*LOC	OPERATION	A,B,C,D,E,F,G	COMMENTS
00050500	5265			UPDAA	TEST NE	MP9PF,0,UPDAB	1ST UPDATE THIS A/C THIS CLOCK TIME
00050510	5266			GATE LR	UPDAI		LET 1 XACT IN
00050520	5267			LOGIC S	UPDAI		CLOSE THE GATE
00050530	5268			SAVEVALUE	UPDAI		TIME SINCE LAST UPDATE
00050540	5269			SAVEVALUE	UPDAI		CURRENT MISSION CAPABILITY
00050550	5270			ASSIGN	UPDAI		ENTERING PRIORITY
00050560	5271			PRIORITY	UPDAI		PROCESS ALL DISCREPANCY XACTS
00050570	5272			UNLINK	UPDAI		DISCREPANCIES THIS A/C
00050580	5273			TEST E	UPDAI		CHECK NUMBER OF DISCREPANCIES
00050590	5274			RUFFEN	UPDAI		PROCESS UNLINKED XACTS
00050600	5275			TEST NE	UPDAI		DOES DATA BIN HAVE AT LEAST 1
00050610	5276			SAVEVALUE	UPDAI		DISCREPANCY
00050620	5277			SAVEVALUE	UPDAI		CLEAR
00050630	5278			SAVEVALUE	UPDAI		CLEAR
00050640	5279			UNLINK	UPDAI		CLEAR
00050650	5280			UNLINK	UPDAI		MUST DEGRADING DISCREPANCY
00050660	5281			TRANSFER	UPDAI		PROCESS ALL UNLINKED XACTS
00050670	5282			TRANSFER	UPDAI		UPDATE MASMIL
00050680	5283			TRANSFER	UPDAI		UPDATE MASMIL
00050690	5284			TRANSFER	UPDAI		UPDATE MASMIL
00050700	5285			TRANSFER	UPDAI		UPDATE MASMIL
00050710	5286			TRANSFER	UPDAI		UPDATE MASMIL
00050720	5287			TRANSFER	UPDAI		UPDATE MASMIL
00050730	5288			TRANSFER	UPDAI		UPDATE MASMIL
00050740	5289			TRANSFER	UPDAI		UPDATE MASMIL
00050750	5290			TRANSFER	UPDAI		UPDATE MASMIL
00050760	5291			TRANSFER	UPDAI		UPDATE MASMIL
00050770	5292			TRANSFER	UPDAI		UPDATE MASMIL
00050780	5293			TRANSFER	UPDAI		UPDATE MASMIL
00050790	5294			TRANSFER	UPDAI		UPDATE MASMIL
00050800	5295			TRANSFER	UPDAI		UPDATE MASMIL
00050810	5296			TRANSFER	UPDAI		UPDATE MASMIL
00050820	5297			TRANSFER	UPDAI		UPDATE MASMIL
00050830	5298			TRANSFER	UPDAI		UPDATE MASMIL
00050840	5299			TRANSFER	UPDAI		UPDATE MASMIL
00050850	5300			TRANSFER	UPDAI		UPDATE MASMIL
00050860	5301			TRANSFER	UPDAI		UPDATE MASMIL
00050870	5302			TRANSFER	UPDAI		UPDATE MASMIL
00050880	5303			TRANSFER	UPDAI		UPDATE MASMIL
00050890	5304			TRANSFER	UPDAI		UPDATE MASMIL
00050900	5305			TRANSFER	UPDAI		UPDATE MASMIL
00050910	5306			TRANSFER	UPDAI		UPDATE MASMIL
00050920	5307			TRANSFER	UPDAI		UPDATE MASMIL
00050930	5308			TRANSFER	UPDAI		UPDATE MASMIL
00050940	5309			TRANSFER	UPDAI		UPDATE MASMIL
00050950	5310			TRANSFER	UPDAI		UPDATE MASMIL
00050960	5311			TRANSFER	UPDAI		UPDATE MASMIL
00050970	5312			TRANSFER	UPDAI		UPDATE MASMIL
00050980	5313			TRANSFER	UPDAI		UPDATE MASMIL
00050990	5314			TRANSFER	UPDAI		UPDATE MASMIL
00051000	5315			TRANSFER	UPDAI		UPDATE MASMIL
00051010	5316			TRANSFER	UPDAI		UPDATE MASMIL
00051020	5317			TRANSFER	UPDAI		UPDATE MASMIL
00051030	5318			TRANSFER	UPDAI		UPDATE MASMIL
00051040	5319			TRANSFER	UPDAI		UPDATE MASMIL
00051050	5320			TRANSFER	UPDAI		UPDATE MASMIL

MATRIX TO BE UPDATED
LAST XACT IN MASMIL
LAST TIME THIS A/C
LAST TIME THIS
SQUADRON

LINE#	STMT#	IF	DO	BLK#	LOC	OPERATION	A,B,C,U,E,F,G	COMMENTS
00051060	5321			2639		SAVEVALUE	MSTK,0,XH	CLEAR
00051070	5322			2590		TEST G	XBMIS,5,1,UPDB	MAJ A/C NOT UPC
00051080	5323			2591		TEST E	XBMIS,5,2,UPDB	MAJ A/C N/C
00051090	5324			2592		SAVEVALUE	MSTK,V8MSTK,AM	MISSION STATUS TIME - SCHEDULED MAINTENANCE
00051100	5325							
00051110	5326			2633		MSAVEVALUE	XHUPMAT,PH,6,AMSTK,MA	MISSION STATUS TIME - SCHED. MAINT. THIS A/C
00051120	5327			2634		MSAVEVALUE	XHUPMAT,XB,LRUM,6,AMSTK,MA	MISSION STATUS TIME, SCHED. MAINT. THIS SQUADRON
00051130	5328							
00051140	5329			2595		UPDBF	SAVEVALUE	CUL,FNCSUPP,XB
00051150	5330			2595		SAVEVALUE	MST,V8MSTK,AM	MISSION STATUS TIME - SUPPLY
00051160	5331			2597		MSAVEVALUE	XHUPMAT,PH,4,XB,SCUL,AMSTK,MA	MISSION STATUS TIME, SUPPLY - THIS A/C
00051170	5332							
00051180	5333			2635		MSAVEVALUE	XHUPMAT,XB,LRUM,XB,SCUL,AMSTK,MA	MISSION STATUS TIME, SUPPLY - THIS SQUADRON
00051190	5334			2699		SAVEVALUE	CUL,1,XB	COLUMN NUMBER - UNSCHED. MAINT.
00051200	5335			2700		SAVEVALUE	MST,V8MSTK,AM	MISSION STATUS TIME - UNSCH. MAINT.
00051210	5336			2701		MSAVEVALUE	XHUPMAT,PH,4,XB,SCUL,AMSTK,MA	MISSION STATUS TIME, UNSCHED. MAINT. - THIS A/C
00051220	5337							
00051230	5338			2702		MSAVEVALUE	XHUPMAT,XB,LRUM,XB,SCUL,AMSTK,MA	MISSION STATUS TIME, UNSCHED. MAINT. - THIS SQUADRON
00051240	5339							
00051250	5340			2703		UNLINK G	BIN,UPDBC,A,L,30PH,100,UPDB	NOV-A30 DISCREPANCIES
00051260	5341			2704		TRANSFER	PH,43,1	PROCESS ALL UNLINKED ACTS
00051270	5342			2705		UPDBF	TEST LE	IS DISCREPANCY AMP
00051280	5343			2706		UPDBF	TEST LE	IS DISCREPANCY AMP
00051290	5344			2707		SAVEVALUE	CUL,13,XB	COLUMN NUMBER - SCIR DISCREPANCY TIME, SUPPLY
00051300	5345							
00051310	5346			2708		MSAVEVALUE	XHUPMAT,PH,4,XB,SCUL,AMSTK,MA	SCIR DISCREPANCY TIME THIS A/C
00051320	5347							
00051330	5348			2709		MSAVEVALUE	XHUPMAT,XB,LRUM,XB,SCUL,AMSTK,MA	SCIR DISCREPANCY TIME THIS SQUADRON
00051340	5349							
00051350	5350			2710		LINK	BIN,32PH	DATA BIN
00051360	5351			2711		UPDBF	SAVEVALUE	CUL,12,XB
00051370	5352							
00051380	5353			2712		TRANSFER	UPDBF	COLUMN NUMBER - SCIR DISCREPANCY TIME - UNSCHEDULED MAINTENANCE
00051390	5354							
00051400	5355							
00051410	5356							
00051420	5357							
00051430	5358							
00051440	5359							
00051450	5360			2713		PAGE UPDBF - UPDATE	AMSTK,MA	IS A/C NOT UPC
00051460	5361			2714		UPDBF	TEST G	PH,43,1,UPDB
00051470	5362			2715		SAVEVALUE	CUL,FNCSUPP,AB	COLUMN NUMBER - MISSION CAPABILITY
00051480	5363							
00051490	5364			2716		MSAVEVALUE	PH,43,1,UPDB	MISSION CAPABLE TIME THIS A/C
00051500	5365			2717		MSAVEVALUE	PH,43,1,UPDB	MISSION CAPABLE TIME THIS SQUADRON
00051510	5366							
00051520	5367							
00051530	5368							
00051540	5369							
00051550	5370							
00051560	5371			2718		PAGE UPDBF - UPDATE	AMSTK,MA	IS A/C NOT UPC
00051570	5372			2719		UPDBF	TEST G	PH,43,1,UPDB
00051580	5373			2720		SAVEVALUE	UPMAT,PH,43,AM	MISSION CAPABLE TIME THIS A/C
00051590	5374			2721		TRANSFER	PH,43,1	MISSION CAPABLE TIME THIS SQUADRON
00051600	5375			2722		UPDBF	TEST LE	IS DISCREPANCY MAINTENANCE-RELATED
00051610	5376							

LINE#	STMT#	IF	LOC	OPERATION	A,B,C,D,E,F,G	COMMENTS
00051620	5377		2723	TEST 1	VSCMCDU,26,UPDD0	IS THIS A NMC DISCREPANCY
00051630	5378		2724	TEST 1E	PH3,14,UPDDH	NOT A SCHEDULED MAINTENANCE XACT
00051640	5379		2725	SAVEVALUE	CUL,21,XB	COLUMN NUMBER - NMLMU TIME
00051650	5380		2725	UPDDF	MSAVEVALUE	ELAPSED STATUS
00051660	5381		2725		PH4,XB,CUL,XB,TIME,MX	TIME THIS A/C
00051670	5382		2727	MSAVEVALUE	XHSUPMAT,XB,ELRUM,XB,CUL,XB,TIME,MX	ELAPSED
00051680	5383		2727		PH1,2,UPDDG	STATUS TIME THIS SQUADRON
00051690	5384		2723	TEST 1E	PH1,2,UPDDG	IS DISCREPANCY AMM 1-H
00051700	5385		2723	SAVEVALUE	CUL,VSCA,MR,XB	COLUMN NUMBER - AMM REASON
00051710	5386		2730	UPDDJ	MSAVEVALUE	XHSUPMAT,PH4,XB,CUL,XB,TIME,MX
00051720	5387		2731	MSAVEVALUE	XHSUPMAT,XB,ELRUM,XB,CUL,XB,TIME,MX	AMM TIME
00051730	5388		2731			THIS SQUADRON
00051740	5389		2732	LINK	BIN,32PH	DATA BIN
00051750	5390		2733	UPDD0	VSCMCDU,2,UPDDE	IS THIS A PHC DISCREPANCY
00051760	5391		2734	SAVEVALUE	CUL,31,XB	COLUMN NUMBER - PHC TIME
00051770	5392		2735	TRANSFER	UPDDF	
00051780	5393		2735	UPDDE	SAVEVALUE	CUL,31,XB
00051790	5394		2737	TRANSFER	UPDDF	COLUMN NUMBER - FMC TIME
00051800	5395		2738	UPDDH	SAVEVALUE	CUL,11,XB
00051810	5396		2739	TRANSFER	UPDDF	COLUMN NUMBER - NMCMs TIME
00051820	5397		2740	UPDDG	TEST 1E	IS DISCREPANCY NOT YET RECEIVED
00051830	5398		2741	SAVEVALUE	CUL,31,XB	CUL. NP. - COMPUTER GENERATED AMM
00051840	5399		2742	TRANSFER	UPDDJ	TIME
00051850	5400		2743	UPDDI	LINK	DATA BIN
00051860	5401		2743			
00051870	5402					
00051880	5403					
00051890	5404					
00051900	5405					
00051910	5406		2744	PAGE UPDE	UPDATE SUBSYSTEM AND SYSTEM MATRICES	
00051920	5407		2745	UNLINK	BIN,UPDEL,ALL,3PB,14	SCHEDULED MAINT. XACTS
00051930	5408		2746	UPDEL	UPDEL	UPDEL
00051940	5409		2747	UPDEL	UPDEL	UPDEL
00051950	5410		2749	UPDEL	UPDEL	UPDEL
00051960	5411		2749	UPDEL	UPDEL	UPDEL
00051970	5412		2750	UPDEL	UPDEL	UPDEL
00051980	5413		2751	UPDEL	UPDEL	UPDEL
00051990	5414		2752	UPDEL	UPDEL	UPDEL
00052000	5415		2753	UPDEL	UPDEL	UPDEL
00052010	5416		2754	UPDEL	UPDEL	UPDEL
00052020	5417		2755	UPDEL	UPDEL	UPDEL
00052030	5418		2756	UPDEL	UPDEL	UPDEL
00052040	5419		2757	UPDEL	UPDEL	UPDEL
00052050	5420		2757	UPDEL	UPDEL	UPDEL
00052060	5421		2758	UPDEL	UPDEL	UPDEL
00052070	5422		2759	UPDEL	UPDEL	UPDEL
00052080	5423		2759	UPDEL	UPDEL	UPDEL
00052090	5424		2759	UPDEL	UPDEL	UPDEL
00052100	5425		2759	UPDEL	UPDEL	UPDEL
00052110	5426		2759	UPDEL	UPDEL	UPDEL
00052120	5427		2759	UPDEL	UPDEL	UPDEL
00052130	5428		2759	UPDEL	UPDEL	UPDEL
00052140	5429		2759	UPDEL	UPDEL	UPDEL
00052150	5430		2759	UPDEL	UPDEL	UPDEL
00052160	5431		2759	UPDEL	UPDEL	UPDEL
00052170	5432		2759	UPDEL	UPDEL	UPDEL

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LINE# STMT# IF 00 BLOCK# *LOC OPERATION A,B,C,D,E,F,G COMMENTS

00052180	5433		2765	UPDEK	SAVEVALUE	IMPCT,V\$IMPCT,MH	SCIR IMPACT TIME	
00052190	5434		2767	MSAVEVALUE	PH19,P\$20,XB\$COL1,XB\$IMPCT,MH		THIS MKA	
00052200	5435		2768	MSAVEVALUE	PH3,P\$4,XB\$COL2,XB\$IMPCT,MH	SCIR IMPACT TIME		
00052210	5436		2769	MSAVEVALUE	PH3,P\$4,XB\$COL2,XB\$IMPCT,MH	SUBSYSTEM		
00052220	5437		2770	MSAVEVALUE	PH3,P\$4,XB\$COL2,XB\$IMPCT,MH	SCIR IMPACT TIME		
00052230	5438		2771	MSAVEVALUE	PH3,P\$4,XB\$COL2,XB\$IMPCT,MH	THIS SQUADRON		
00052240	5439		2772	UPDEF	LINK	DATA BIN		
00052250	5440		2773	UPDEF	TEST G	IS DISCREPANCY		
00052260	5441		2774	UPDEF	TEST G	IS DISCREPANCY		
00052270	5442		2775	UPDEF	SAVEVALUE	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052280	5443		2776	UPDEF	SAVEVALUE	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052290	5444		2777	UPDEF	SAVEVALUE	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052300	5445		2778	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052310	5446		2779	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052320	5447		2780	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052330	5448		2781	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052340	5449		2782	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052350	5450		2783	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052360	5451		2784	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052370	5452		2785	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052380	5453		2786	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052390	5454		2787	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052400	5455		2788	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052410	5456		2789	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052420	5457		2790	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052430	5458		2791	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052440	5459		2792	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052450	5460		2793	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052460	5461		2794	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052470	5462		2795	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052480	5463		2796	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052490	5464		2797	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052500	5465		2798	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052510	5466		2799	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052520	5467		2800	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052530	5468		2801	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052540	5469		2802	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052550	5470		2803	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052560	5471		2804	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052570	5472		2805	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052580	5473		2806	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052590	5474		2807	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052600	5475		2808	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052610	5476		2809	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052620	5477		2810	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052630	5478		2811	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052640	5479		2812	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052650	5480		2813	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052660	5481		2814	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052670	5482		2815	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052680	5483		2816	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052690	5484		2817	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052700	5485		2818	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052710	5486		2819	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052720	5487		2820	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		
00052730	5488		2821	UPDEF	TRANSFER	COLUMN NUMBER (PHCS) - SUBSYSTEM MH		

MUST DEGRADING NON-'A00'

DISCREPANCY

CLEAR

CLEAR

CLEAR

PROCESS UNLINKED NACT(S)

NJ MAINTENANCE-RELATED DISCREPANCIES

THIS EUC

SUBSYSTEM NOT AVAILABLE

TIME - SUPPLY

SUM COL. NO. 5

MEAT MUST DEGRADING

NUV 'A00' EDC

REMAINING DISCREPANCIES

PROCESS UNLINKED NACT(S)

IS THIS AN 'A00' EDC

DISCREPANCIES THIS SQUADRON

NO SUPPLY-RELATED DISCREPANCIES THIS

EUC

SUBSYSTEM NOT AVAILABLE

TIME - MAINTENANCE

SUM COL. NO. 4

SUBSYSTEM NOT AVAILABLE

TIME - SUPPLY

LINE# STMT# IF UD BLK#8 *LOC OPERATIUN A,B,C,D,E,F,G COMMENTS

12/10/82	5489				MSAVEVALUE	SCIT+1,5,V\$UPDF1,MX	*ISI* SUM COL. NO. 5
00052720	5490				MSAVEVALUE	PH34+XB\$IMPRM+4,V\$UPDF2,MX	SUBSYSTEM NOT AVAILABLE TIME - MAINTENANCE
00052730	5491						
12/10/82	5492				MSAVEVALUE	SCIT+1,4,V\$UPDF2,MX	*ISI* SUM COL. NO. 4
00052740	5493				TRANSFER	UPJFK	
00052750	5494				UPDF8	IMPRM+PB+4,XB	MDM NUMBER - MX\$SCIM_
00052760	5495				TEST E	V\$CMCDU,AB\$MISS,UPUFL	IS THIS THE MOST DEGRADED MISSION CODE
00052770	5496						
00052780	5497				SAVEVALUE	NMEDC+1,XB	UJNT EDC'S WITH MUST DEGRADED MISSION CODE
00052790	5498						
00052800	5499				UPDFL UNLINK	MIN,UPUFD,A,L,3JPH	OTHER DISCREPANCIES THIS EDC
00052810	5500				UPDFD TEST GE	PH1+3,UPDFE	IS DISCREPANCY SUPPLY-RELATED
00052820	5501				SAVEVALUE	NSUP+1,XB	COUNT SUPPLY-RELATED DISCREPANCIES THIS EDC
00052830	5502						
00052840	5503				MSAVEVALUE	PH34+XB\$IMPRM+7,XH\$UTIME,MX	SCIR DISCREPANCY TIME THIS EDC - SUPPLY
00052850	5504						
12/10/82	5505				MSAVEVALUE	SCIT+1,7,XH\$UTIME,MX	*ISI* SUM COL. NO. 7
00052860	5506				UPDFE TEST E	V\$CMCDU,AB\$MISS,UPDFG	IS THIS THE MOST DEGRADED MISSION CODE
00052870	5507						
00052880	5508				LINK	WMEDC+1,F1Q	MOST DEGRADED MISSION EDC'S
00052890	5509				SAVEVALUE	NUSC+1,XB	COUNT MAINTENANCE-RELATED DISCREPANCIES THIS EDC
00052900	5510						
00052910	5511				MSAVEVALUE	PH34+XB\$IMPRM+8,XH\$UTIME,MX	SCIR DISCREPANCY TIME THIS EDC - MAINTENANCE
00052920	5512						
12/10/82	5513				MSAVEVALUE	SCIT+1,6,XH\$UTIME,MX	*ISI* SUM COL. NO. 6
00052930	5514				TEST E	BY\$DAWM+1,UPDF	IS DISCREPANCY AM
00052940	5515				MSAVEVALUE	PH34+XB\$IMPRM+8,XH\$UTIME,MX	ANA TIME THIS EDC
12/10/82	5516				MSAVEVALUE	SCIT+1,4,XH\$UTIME,MX	*ISI* SUM COL. NO. 8
00052950	5517				TRANSFER	UPDF	
00052960	5518				UPDFG LINK	PH6+14PH	DISCREPANCIES THIS SQUADRON
00052970	5519				UPDFT UNLINK	WMEDC+UPJFN+1,UPDFC	EDC WITH MUST DEGRADED MISSION CODE
00052980	5520						
00052990	5521				SAVEVALUE	NSUP+0,XB	CLEAR
00053000	5522				SAVEVALUE	NUSC+0,XB	CLEAR
00053010	5523				BUFFER		PROCESS UNLINKED NACT(S)
00053020	5524				TEST E	XB\$NUSC,UPDF	NO MAINTENANCE-RELATED DISCREPANCIES THIS EDC
00053030	5525						
00053040	5526				MSAVEVALUE	PH33+XB\$IMPRM+3,V\$UPDF3,MX	SCIR IMPACT TIME - SUPPLY
00053050	5527						
12/10/82	5528				MSAVEVALUE	SCIT+1,3,V\$UPDF3,MX	*ISI* SUM COL. NO. 3
00053060	5529				TRANSFER	UPDFT	
00053070	5530				UPDFE TEST E	XB\$NSUP+1,UPDFS	NO SUPPLY RELATED DISCREPANCIES THIS EDC
00053080	5531						
00053090	5532				MSAVEVALUE	PH33+XB\$IMPRM+2,V\$UPDF3,MX	SCIR IMPACT TIME - MAINTENANCE
00053100	5533						
12/10/82	5534				MSAVEVALUE	SCIT+1,2,V\$UPDF3,MX	*ISI* SUM COL. NO. 2
00053110	5535				TRANSFER	UPDFT	
00053120	5536				UPDFS	MSAVEVALUE	PH33+XB\$IMPRM+3,V\$UPDF4,MX
00053130	5537						SCIR IMPACT TIME - SUPPLY
12/10/82	5538				MSAVEVALUE	SCIT+1,3,V\$UPDF4,MX	*ISI* SUM COL. NO. 3
00053140	5539				MSAVEVALUE	PH34+XB\$IMPRM+2,V\$UPDF5,MX	SCIR IMPACT TIME - MAINTENANCE
00053150	5540						
12/10/82	5541				MSAVEVALUE	SCIT+1,1,V\$UPDF5,MX	*ISI* SUM COL. NO. 2
00053160	5542				TRANSFER	UPDFT	
00053170	5543				UPJFN	IMPRM+PB+4,XB	MDM NUMBER - MX\$SCIM_
00053180	5544				UNLINK	WMEDC+UPDF,ALL,3JPH	DISCREPANCIES THIS EDC

LINE# STAT# IF D3 BLOC# LOC OPERATION A,B,C,D,E,F,G COMMENTS

00053190 5545 UPDFP TEST GE PH1,1,UPDFQ IS THIS A SUPPLY-RELATED DISCREPANCY
 00053200 5546 SAVEVALUE NSUP,1,14B COUNT SUPPLY-RELATED DISCREPANCIES
 00053210 5547 LINK PH5,14PH DISCREPANCIES THIS SQUADRON
 00053220 5548 UPDFP SAVEVALUE NUSC,1,14B COUNT MAINTENANCE-RELATED
 00053230 5549 DISCREPANCIES
 00053240 5550 LINK PH6,14PH DISCREPANCIES THIS SQUADRON

***** PAGE CHDS - CHANGE DISCREPANCY STATUS SUBROUTINE *****

CHDSA TEST NE VSMSTA,V8CMSTA,CHDS0 ANY CHANGE IN DISCREPANCY

MISSION/STATUS CODE

SAVEVALUE DMSTA,V8CMSTA,M CURRENT MISSION/STATUS CODE

TEST L HV8DMS1,1,DBG4 IS THIS A VALID CODE

SCAN PH7,4PB,PB4,FNSACPAR,PB,IP0 CURRENT VALUE OF A/C PB THIS DISCREPANCY STATUS

ASSIGN 1-1,PB DECREMENT VALUE

ALTER PH7,1,FNSACPAR,PB,PB1,4PB,P94 A/C PB

SAVEVALUE DMSTA,V8CMSTA,M NEW MISSION/STATUS CODE

TEST E HV8DMS1,1,DBG45 IS THIS A VALID CODE

SCAN PH7,4PB,PB4,FNSACPAR,PB,IP0 CURRENT VALUE OF A/C PB THIS DISCREPANCY STATUS

ASSIGN 1-1,PB INCREMENT VALUE

ALTER PH7,1,FNSACPAR,PB,PB1,4PB,P94 A/C PB

CHDS0 SAVEVALUE DAMP,0,X3 CLEAR THIS PB

ASSIGN 2-4,PB LOUJING PB

CHDS0 SCAN PH7,4PB,PB4,FNSCHDS1,PB,IP0 GET COUNT OF

DISCREPANCIES AMP THIS STATUS

SAVEVALUE DAMP,0,PB1,X0 DISCREPANCIES AMP

LOOP 2PB,CHDS0 COUNT TOTAL DISCREPANCIES

ALTER PH7,1,37PB,X0,DAMP,4PB,P94 ALTER A/C PB37

ASSIGN 3-0,PB31,PB NEW EDC

ALTER PH5,1,40PB,PB30,3PF,PF3 DISCREPANCY EDC

ASSIGN 1-0,PB1,PB NEW REPAIR STATUS

ALTER PH5,1,10PB,PB10,3PF,PF3 DISCREPANCY REPAIR STATUS

TEST E HV8DAMM,1,CHDSC IS REPAIR AMM

ASSIGN 1-0,PB1,PB NEW AMM REASON

ALTER PH5,1,15PB,PB15,3PF,PF3 DISCREPANCY AMM REASON

CHDSC TRANSFER PH,33,1

***** PAGE CMWC - CHANGE AIRCRAFT MISSION CAPABILITY SUBROUTINE *****

CM4CA MARK HPF TIME MISSION CAPABILITY SUBROUTINE

TEST E PH31,26,CMWC IS A/C NOW MMC

MARK 12PF TIME A/C BECAME MMC

CM4CC TEST E PH8,1,CH4CB WAS A/C OPL

REMOVL HWSGRP(9,PB5) UPC A/C THIS SQUADRON

CM4CB ASSIGN K,PH31,P3 NEW MISSION CAPABILITY

MSAVEVALJE PH4,PO4,13,PB8,MX UPDATE MASMCAPI

TRANSFER PH,15,1

***** PAGE OUT - DATA COLLECTION ROUTINE *****

OUTAA GEN:KATE 0001,125,29PB,44PH,3PF DATA COLLECTION KACT

00053190 5545
 00053200 5546
 00053210 5547
 00053220 5548
 00053230 5549
 00053240 5550
 00053250 5551
 00053260 5552
 00053270 5553
 00053280 5554
 00053290 5555
 00053300 5556
 00053310 5557
 00053320 5558
 00053330 5559
 00053340 5560
 00053350 5561
 00053360 5562
 00053370 5563
 00053380 5564
 00053390 5565
 00053400 5566
 00053410 5567
 00053420 5568
 00053430 5569
 00053440 5570
 00053450 5571
 00053460 5572
 00053470 5573
 00053480 5574
 00053490 5575
 00053500 5576
 00053510 5577
 00053520 5578
 00053530 5579
 00053540 5580
 00053550 5581
 00053560 5582
 00053570 5583
 00053580 5584
 00053590 5585
 00053600 5586
 00053610 5587
 00053620 5588
 00053630 5589
 00053640 5590
 00053650 5591
 00053660 5592
 00053670 5593
 00053680 5594
 00053690 5595
 00053700 5596
 00053710 5597
 00053720 5598
 00053730 5599
 00053740 5600

LINE#	STRID	IF	DO	BLCKB	WLOC	OPERATION	A.D.C.U.E.F.G	COMMENTS
00053750	5651			2835		SPLIT	MMHRECE(1,1),OUTAB,5P3	SQUADRON DATA COLLECTION XACT(S)
00053760	5652			2835		TERMINATE		
00053770	5653			2835		ASSIGN	5-1,PH	SQUADRON IDENT.
00053780	5654			2837		ASSIGN	0,MMHCOMPL(12,PH5),PH	A/C TYPE THIS SQUADRON
00053790	5655			2839		ASSIGN	3,MMHGNP(17,PH5),PH	SQUADRON GROUP INDEX
00053800	5656			2839		ASSIGN	15,MMHCOMPL(14,PH5),PH	MA INDEX - UTILIZATION
00053810	5657			2839		ASSIGN		STATISTICS
00053820	5658			2839		ASSIGN	23,MMHSCDPL(15,PH5),PH	MA INDEX - AMM REASON SUMMARY
00053830	5659			2839		ASSIGN	29,MMHSCDPL(15,PH5),PH	CHAIN INDEX - CURRENT
00053840	5660			2839		ASSIGN		DISCREPANCIES
00053850	5661			2839		ASSIGN	39,MMHSTY(13,PH6),PH	MA INDEX - SCIR IMPACT SUMMARY
00053860	5662			2839		ASSIGN	44,MMHSCDPL(22,PH5),PH	MA INDEX - SCIR MISSION
00053870	5663			2839		ASSIGN		CAPABILITY SUMMARY
00053880	5664			2839		LINK	OUTPT,FIFO	DATA COLLECTION XACTS
00053890	5665			2839		ASSIGN	3,MMHCOMPL(13,PH5),PH	NO. OF A/C IN SQUADRON
00053900	5666			2839		SCAN	PH3,21PB,PH3,4PB,4PB	GET A/C SERIAL NUMBER
00053910	5667			2839		SCAN	PH3,21PB,PH3,8PB,8PB	CURRENT MISSION CAPABILITY
00053920	5668			2839		SCAN	PH3,21PB,PH3,9PB,9PB	CURRENT ACTIVITY
00053930	5669			2839		SCAN	PH3,21PB,PH3,29PB,29PB	CURRENT DISCREPANCY COUNT
00053940	5670			2839		SCAN	PH3,21PB,PH3,9PF,4PF	TIME SCIR STATISTICS LAST
00053950	5671			2839		TRANSFER	SPR,UPDAA,16PH	UPDATE SCIR STATISTICS
00053960	5672			2839		ALTER	PH3,1,9PF,CL,21PB,PH3	TIME SCIR STATISTICS LAST
00053970	5673			2839		LDOP	3PB,OUTAD	DD FOR ALL A/C IN SQUADRON
00053980	5674			2839		LINK	OUTPT,FIFO	DATA COLLECTION XACTS
00053990	5675			2839				
00054000	5676			2839				
00054010	5677			2839				
00054020	5678			2839				
00054030	5679			2839				
00054040	5680			2839				
00054050	5681			2839				
00054060	5682			2839				
00054070	5683			2839				
00054080	5684			2839				
00054090	5685			2839				
00054100	5686			2839				
00054110	5687			2839				
00054120	5688			2839				
00054130	5689			2839				
00054140	5690			2839				
00054150	5691			2839				
00054160	5692			2839				
00054170	5693			2839				
00054180	5694			2839				
00054190	5695			2839				
00054200	5696			2839				
00054210	5697			2839				
00054220	5698			2839				
00054230	5699			2839				
00054240	5700			2839				
00054250	5701			2839				
00054260	5702			2839				
00054270	5703			2839				

===== PAGE TIM - SIMULATION RUN TIMING ROUTINE =====

TIME	GENERATE	240,000,120,1PB	DAILY TIMING XACT
TIME	SAVEVALUE	DAY,0,1,XH	DAY NUMBER
TIME	SAVEVALUE	OPCOL,V9CYCLE,XH	COLUMN NUMBER - MMSOPS
TIME	PRIORITY	125	RAISE PRIORITY
TIME	TEST NE	XH9JAY,1,TIME	IS THIS NOT THE FIRST DAY
TIME	ADVANCE	240	END OF THE DAY
TIME	TEST NE	XH9OUTPT,0,TIME	IS MODEL OUTPUT CYCLE DEFINED
TIME	TEST L	XH9DAY,XH9OUTPT,TIME	COLLECT OUTPUT DATA
TIME	UNLINK	OUTPT,OUTAC,ALL	DATA COLLECTION XACTS
TIME	PRIORITY	15,BUFFER	PROCESS DATA COLLECTION XACTS
TIME	TEST G	TG1,1,TIME	IS THIS NOT THE LAST DAY
TIME	PRINT	0,C	PRINT CURRENT CLOCK TIME
TIME	PRINT	0,SNAP	
TIME	PRINT	MISX1,MISX1,MA	
TIME	PRINT	UTILL,UTILL,MA	
TIME	PRINT	MCAP1,MCAP1,MA	
TIME	SAVEVALUE	OUTPT,MMHRECE(3,1),XH	NEXT DAY FOR OUTPUT
TIME	TERMINATE	1	
TIME	TEST G	TG1,1,TIME	IS THIS NOT THE LAST DAY
TIME	TERMINATE	1	
TIME	GENERATE	0,0,120,1PB	INITIAL TIMING XACT
TIME	SAVEVALUE	DAY,0,1,XH	THIS IS THE FIRST DAY
TIME	SAVEVALUE	OUTPT,MMHRECE(3,1),XH	FIRST DAY FOR OUTPUT
TIME	TRANSFER	0,1,C	
TIME	ADVANCE	239	END OF THE FIRST DAY

00054280	5657		2930		TRANSFER	*TIME
00054290	5658					
00054300	5659					
00054310	5660					
00054320	5661					
00054330	5662		2931	06G01	TRANSFER	*TIME
00054340	5663		2932	06G02	TRANSFER	*TIME
00054350	5664		2933	06G03	TRANSFER	*TIME
00054360	5665		2934	06G04	TRANSFER	*TIME
00054370	5666		2935	06G05	TRANSFER	*TIME
00054380	5667		2936	06G06	TRANSFER	*TIME
00054390	5668		2937	06G07	TRANSFER	*TIME
00054400	5669		2938	06G08	TRANSFER	*TIME
00054410	5670		2939	06G09	TRANSFER	*TIME
00054420	5671		2940	06G10	TRANSFER	*TIME
00054430	5672		2941	06G11	TRANSFER	*TIME
00054440	5673		2942	06G12	TRANSFER	*TIME
00054450	5674		2943	06G13	TRANSFER	*TIME
00054460	5675		2944	06G14	TRANSFER	*TIME
00054470	5676		2945	06G15	TRANSFER	*TIME
00054480	5677		2946	06G16	TRANSFER	*TIME
00054490	5678		2947	06G17	TRANSFER	*TIME
00054500	5679		2948	06G18	TRANSFER	*TIME
00054510	5680		2949	06G19	TRANSFER	*TIME
00054520	5681		2950	06G20	TRANSFER	*TIME
00054530	5682		2951	06G21	TRANSFER	*TIME
00054540	5683		2952	06G22	TRANSFER	*TIME
00054550	5684		2953	06G23	TRANSFER	*TIME
00054560	5685		2954	06G24	TRANSFER	*TIME
00054570	5686		2955	06G25	TRANSFER	*TIME
00054580	5687		2956	06G26	TRANSFER	*TIME
00054590	5688		2957	06G27	TRANSFER	*TIME
00054600	5689		2958	06G28	TRANSFER	*TIME
00054610	5690		2959	06G29	TRANSFER	*TIME
00054620	5691		2960	06G30	TRANSFER	*TIME
00054630	5692		2961	06G31	TRANSFER	*TIME
00054640	5693		2962	06G32	TRANSFER	*TIME
00054650	5694		2963	06G33	TRANSFER	*TIME
00054660	5695		2964	06G34	TRANSFER	*TIME
00054670	5696		2965	06G35	TRANSFER	*TIME
00054680	5697		2966	06G36	TRANSFER	*TIME
00054690	5698		2967	06G37	TRANSFER	*TIME
00054700	5699		2968	06G38	TRANSFER	*TIME
00054710	5700		2969	06G39	TRANSFER	*TIME
00054720	5701		2970	06G40	TRANSFER	*TIME
00054730	5702		2971	06G41	TRANSFER	*TIME
00054740	5703		2972	06G42	TRANSFER	*TIME
00054750	5704		2973	06G43	TRANSFER	*TIME
00054760	5705		2974	06G44	TRANSFER	*TIME
00054770	5706		2975	06G45	TRANSFER	*TIME
00054780	5707		2976	06G46	TRANSFER	*TIME
00054790	5708		2977	06G47	TRANSFER	*TIME
00054800	5709		2978	06G48	TRANSFER	*TIME
00054810	5710		2979	06G49	TRANSFER	*TIME
00054820	5711		2980	06G50	TRANSFER	*TIME
00054830	5712		2981	06G51	TRANSFER	*TIME
00054840	5713		2982	06G52	TRANSFER	*TIME

APPENDIX B

Source Code for Support Equipment Option for Version 5 Mod 2.

MMS VM/SP CONVERSATIONAL MONITOR SYSTEM

FILE: RTML CPSS 41

ADU 3503

06:35

***** PALL PLM - IMA STORAGE TEST *****

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*****
MLMLG MARK 14PF IDENTIFY STORAGE 37246C-NEAT 16 LINE
ASSIGN 51,FNSPT17,PM TUCK AWAY THE OLD PRIORITY
ASSIGN 30,PR,PB TUCK AWAY THE OLD PRIORITY
TEST E PH4,10,MLMLM 104 IS A 742G RADAR
SPLIT 1,KTSAA,35PB,51PH,15PF COPY TO RTS ROUTINE
MLMLM TEST E PH29,C,MLMLM 15 THIS AN XREP?
PRIORITY 125 MAKE IT REALLY ZIP ALONG
TEST E PH22,C,MLMLF 01* INDICATES AN NRR
QUEUE REPT1 00*11 DELAY
ASSIGN 15,V8PHJC,PF ASSIGN PRDD. CONT. TIME TO MA
SAVEVALUE NUT1,1,XM TOTAL NO. OF T1 ENTRIES
SAVEVALUE TOT1,PF15,XF TOTAL THE T1 TIME
ADVANCE PF15 ADVANCE BY T1 DELAY
DEPART REPT1 00*11 DELAY
TEST L RM1,FNSAPP,MLMLK 15 THERE ANY AMP?
QUEUE AMP 00*AMP.TIME
ASSIGN 15,V8AMP1,PF ASSIGN AMP DELAY TIMES
SAVEVALUE NOAMP,1,XM TOTAL NO. OF AMP ENTRIES
SAVEVALUE TDAMP,PF15,XF TOTAL AMP TIME
ADVANCE PF15 ADVANCE BY AMP TIME
DEPART AMP 00*AMP TIME
MLMLK QUEUE GSE ASSIGN GSE DELAY TO MA
ASSIGN 15,V8ANGE,PF TOTAL NO. OF GSE ENTRIES
SAVEVALUE NUSE,1,XM TOTAL THE GSE TIME
SAVEVALUE T0GSE,PF15,XF ADVANCE BY GSE TIME
ADVANCE PF15 WAIT FOR MECHANICS
MLMLI QUEUE PH51 ENTER INANC, BASED ON MECHANICS REQUIRED
ENTER PH51 NO MORE WAIT
DEPART PH51,PH13 ACTUAL REPAIR (ENT) + 30X ADMIN DELAY
ADVANCE PH36 JOB FINISHED, RELEASE MECHANICS
LEAVE PH51,PH13 GET TOTAL SHOP TIME, INC ENT
DEPART GSE PUT TAT WHERE WE CAN CARRY IT BACK
ASSIGN 15,MP1,PF,PF DESIGNATE ROW IN TAT MATRIX
SAVEVALUE RUN,FNSPTR19,XM IF IT'S NOT 1, IT'S XREP
TEST E PH29,1,MLML2 IF IT'S NOT 1, IT'S A REPAIR
TEST E PH22,1,MLMLY IF IT'S NOT 1, IT'S A REPAIR
MLMLY TATULATE NPK COUNT THE NRR ACTIONS
MSAVEVALUE TAT,XM,0M,0,1,MA COUNT THE REP,IT-45
MSAVEVALUE TAT,XM,0M,0,6,MP14PF,MA ADD THE TAT TIMES
MSAVEVALUE TAT,XM,0M,0,7,V8AVTR,MA CALL. THE NRR TAT AVERAGE***
TRANSFER MLMLM
MLMLY TATULATE KLP
TATULATE TREP
MSAVEVALUE TAT,XM,0M,0,9,1,MA COUNT THE REP,IT-45
MSAVEVALUE TAT,XM,0M,0,9,MP14PF,MA ADD THE TAT TIMES
MSAVEVALUE TAT,XM,0M,0,10,V8AVTR,MA CALL. THE REP TAT AVERAGE
TRANSFER MLMLM
MLMLZ TEST E PH22,1,MLMLA IF IT'S NOT 1, IT'S A REPAIR

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END

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10-83

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